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Report on 1984-86 Federal Survey of PCBs (Polychlorinated Biphenyls) in Atlantic Coast Bluefish

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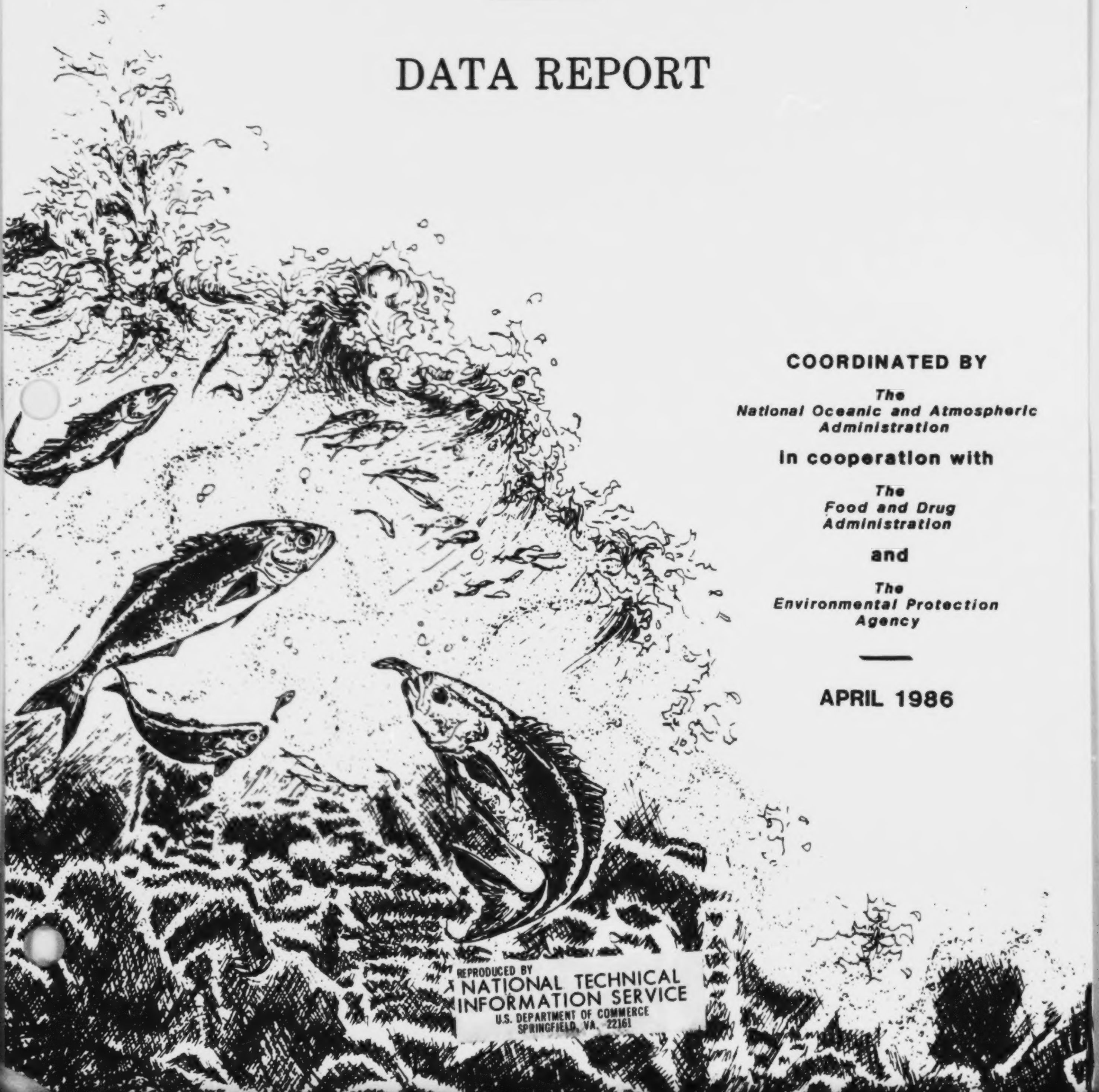

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National Oceanic and Atmospheric Administration

in cooperation with

The
Food and Drug Administration

and

The
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This report provides a description of a two year study on the levels of PCBs in east coast bluefish, the data obtained and a preliminary set of statistical observations.

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THIS DOCUMENT IS PROVIDED SOLELY FOR THE PURPOSE OF PRESENTING THE SURVEY DATA COLLECTED, BOTH IN RAW AND SUMMARY FORM. AN INTERPRETIVE REPORT BASED ON THE RESULTS OF THIS SURVEY, INCLUDING AN ASSESSMENT OF PUBLIC HEALTH RISK, WILL BE PROVIDED TO CONGRESS IN DECEMBER 1986.

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EXECUTIVE SUMMARY

In December, 1982, New Jersey announced that it was closing certain fishing areas and issued human consumption advisories for selected fish. This was prompted by findings of polychlorinated biphenyl (PCB) levels exceeding the Food and Drug Administration (FDA) tolerance of 2 ppm. Bluefish were of particular concern because they are migratory, and it was speculated that a coastwide problem might exist. This possibility was brought to the attention of Congress by the State of New Jersey and Senator Bradley. Subsequently, the National Oceanic and Atmospheric Administration (NOAA) was requested by Congress to coordinate a study with FDA and the Environmental Protection Agency (EPA) on the levels of PCB's in East Coast bluefish to determine the nature and scope of the problem and any associated health risk.

Fish were obtained from Florida to Maine over a 12 month period. Small, medium, and large fish were analyzed separately to reflect the different categories available at different location and times of the year. All fish were prepared and analyzed according to established FDA procedures. Sufficient numbers of samples were obtained in each size category so that statistically valid conclusions could be drawn. This report provides a description of the two year study, the data obtained and a preliminary set of statistical observations. These data are being made available to Congress, the States, and the public at large.

The survey showed that no samples in the small and medium size categories at any site exceeded the FDA tolerance level of 2 ppm for PCBs. However, PCB levels in some samples in the large size category at every site sampled exceeded the tolerance. Seasonal differences were noted in the PCB levels in each geographical location sampled. Pesticide levels determined in conjunction with the analyses for PCBs were of no regulatory significance.

An interpretive report of the survey findings will be submitted to Congress in December, 1986. It will contain assessments of long-term health risks for the various populations that eat bluefish, recommendations about the need for further Federal action, and guidance that may be used by State and local authorities to advise local fishermen about bluefish consumption.

Preliminary examination of the data by FDA suggests that the levels of PCBs in bluefish in commercial distribution do not present a health concern for the general consuming public. This is due in part to the fact that bluefish constitute only a portion of the fish consumed by people who eat commercial fish. The only groups for which there might be health concerns are those, such as recreational fishermen and their families, who consume contaminated fish day after day, year after year. Detailed analysis of the data will provide further information, particularly as it applies to subgroups of the population that may be at risk because of their bluefish consumption patterns. Furthermore, the preliminary examination of the data does indicate that even those groups that consume bluefish from areas where the highest PCB levels were found will not be at unacceptable risk from PCBs for the interim while the data are being analyzed.

REPORT ON 1984-86 FEDERAL SURVEY OF PCBs IN ATLANTIC COAST BLUEFISH

DATA REPORT

BACKGROUND

In 1976, following the discovery of widespread contamination from polychlorinated biphenyls (PCBs) of fish and sediments from the upper Hudson River in New York State, the New Jersey Department of Environmental Protection (NJDEP) instituted a program to survey PCB contamination of finfish and shellfish both within the lower Hudson River and throughout the State. In December 1982, NJDEP released a summary report of the results of this study for the period 1975-1980 (Belton et al., 1982). These data showed that in their edible tissues a total of 11.1% of 237 finfish samples exceeded 2 parts-per-million (ppm), the Food and Drug Administration's (FDA) tolerance level that went into effect on August 20, 1984 (Federal Register, Vol. 49, No. 100, May 22, 1984. pp. 21514-21520). It should be noted that no shellfish exceeded 2 ppm.

Subsequent to these observations, NJDEP continued to monitor PCBs in selected finfish from the Hudson-Raritan estuary and the adjacent ocean waters of the inner New York Bight during 1981 and 1982. The results of this follow-up study caused NJDEP to announce in December 1982 fishing closures and/or human consumption advisories for selected species in waterways of New Jersey because of public health concerns. Specifically, striped bass, *Morone saxatilis*; American eel, *Anguilla rostrata*; bluefish, *Pomatomus saltatrix*; white perch, *Morone americanus*; and white catfish, *Ictalurus catus*, taken primarily from the drainage basins within the heavily industrialized northeast region of the State, were regulated by these administrative rulings. Belton et al. (1983) reported the results of the 1981-82 PCB monitoring by New Jersey.

New Jersey was concerned with the extent of PCB contamination in bluefish, a species which represents a major portion of the State's marine recreational fishery and also accounts for an important state-wide commercial fishery. Because of the wide-ranging migratory behavior of bluefish, New Jersey was also concerned that a coast-wide problem could exist for this species. Several meetings with other East Coast states and several Federal agencies were initiated and hosted by NJDEP to review the aforementioned reports and to encourage a coast-wide investigation of the nature and scope of PCB contamination in East Coast stocks of bluefish. In addition, a briefing was held for Congressional staff members in October 1983.

In June 1984, Senator Packwood (OR), Chairman of the Committee on Commerce, Science, and Transportation, requested the National Oceanic and Atmospheric Administration (NOAA) to take the lead in coordinating a joint research program with the Environmental Protection Agency (EPA) and FDA to ascertain the temporal and spatial extent of PCB contamination in bluefish along the East Coast and to assess any associated public health risk. Following this request, the Committee on Appropriations provided $900,000 to conduct the 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish.

OBJECTIVES

The four major objectives of this study, as outlined by Congress, were to:

1. Determine contaminant levels in detail sufficient to support an assessment of public risk.
2. Determine whether the problem is coast-wide, or likely to affect only specific areas.
3. Develop uniform sampling and analysis procedures to allow for the easiest comparison and interpretation of contamination data.
4. Furnish information to state officials to assist them in determining if there is a need for regulation of sport or commercial fishing, and to provide guidelines to ensure that any regulation is rational and equitable.

ORGANIZATION

As requested by Congress, the survey was coordinated by NOAA, in cooperation with FDA and EPA. Therefore, NOAA initiated interagency agreements with both cooperating agencies to assure their full and continuous participation in all phases of the survey: statistical formulation of the sampling design, execution of field sampling, biological and chemical analyses of samples, reporting of data, statistical analysis and interpretation of results, and assessment of public risk. An interagency committee was immediately formed to ensure that all phases of the survey would be performed in a correct and efficient manner in order to accomplish the stated objectives. This multi-agency approach permitted all aspects of the problem involving fisheries, public health, and environment to be addressed. The organization and responsibilities of all participants in the survey is illustrated in Figure 1.

SAMPLING STRATEGY

Among the various strategies that were considered in developing the basic survey design structure (e.g., parametric estimation, tolerance limits, correlation/trend analysis, decision theory, etc.), the selected strategy was to pose testable hypotheses and design a sampling plan which would enable these hypotheses to be tested with specified degrees of risk. However, it should be noted that after data sets are collected, data analyses can be performed not only to accomplish the design objectives but also to provide useful information relative to the other considered design strategies.

Under hypothesis testing, the relevant question posed by Congress may be rephrased as follows: Do PCBs in bluefish exceed the established FDA tolerance limit of two ppm, and if so, does this condition exist coast-wide or affect only specific geographic areas? Because bluefish is the principal recreational species in terms of landings (130-155 million pounds) taken along the Atlantic Coast, these determinations are clearly of great socio-economic as well as public health importance.

A balance was struck between sampling precision along with statistical significance encountered in hypothesis testing, and cost of data collections and analyses. To achieve this balance, an estimate was made of the sample sizes needed to attain selected probabilities of rejecting a true null hypothesis (usually denoted by a and called the Producer's or Seller's Risk) and of accepting a false null hypothesis (usually denoted by b and called the Consumer's or Buyer's Risk). It should be noted that, if these specifications could not have been achieved within the allocated time frame and budget, it would have been advisable not to conduct the survey. Sampling specifications less than these could yield unacceptably large probabilities of incorrect population conclusions based on the collected data.

Collection of site-specific samples was to be achieved primarily through dockside purchases, and secondarily through special field collections (e.g., party- or charter-boat, beach seining, hook and line, research cruises, etc.). Historically, 80-90% of the bluefish fishery is recreational, however, it was assumed that commercial and recreational landings come from the same population. Evidence supporting this assumption includes tagging studies, comparison of length and weight landings statistics, and observations of the proximity of the two fisheries. Advantages of utilizing commercial landings included the stability and availability of the commercial fishery, as well as the fact that commercial landings reach the marketplace.

STATISTICAL DESIGN OF THE SURVEY

Initially it was deemed advisable to use stratification by length category within each site to be sampled because of extreme variability of PCBs in the bluefish population and contaminant assessment within and among stratified length groupings. This was based on statistical considerations applied to a 1975-82 combined New Jersey and Massachusetts historical five-fish composite data set (Table 1). These length categories (strata) represent approximately equal intervals on a logarithmic scale as applied to existing population length-frequency estimates.

To determine if the mean concentration of PCBs in bluefish exceeds the tolerance limit in each length stratum within each site, the following null hypothesis (H_0) and alternative hypothesis (H_A) were considered:

$$H_0: \mu \leq \mu_o$$

$$H_A: \mu > \mu_o$$

where: μ = actual mean PCB level in a predetermined size stratum

μ_o = 2 ppm FDA tolerance level

For this evaluation, the appropriate formula for calculating the required sample size (n) within each size stratum to test H_0 with specific degrees of risk is as follows:

$$n = (\sigma\ (Z_\alpha + Z_\beta)\ /\ \Delta)^2$$

where: σ = actual standard deviation of the target population (to be applied to the mean five-fish composite distribution)

Δ = the preselected increment of interest by which μ exceeds μ_0

α = probability of rejecting a true H_0

β = probability of accepting a false H_0 as a function of Δ

Z_α, Z_β = specified percentiles of the standard normal distribution

As an example of this calculation, let $\alpha = 5\%$, $\beta = 5\%$, $\Delta = 0.5$ ppm; and for length stratum 1 (Table 1) where σ is estimated to be 0.73 ppm:

$$n = (0.73\ (1.645 + 1.645)/0.5)^2$$

$$= 23 \text{ five-fish composites}$$

Table 2 presents the required number of five-fish composites per length stratum per sample site for various combinations of β and Δ with α fixed at the 5% level.

After careful consideration, it was agreed to by all parties that acceptable significance and equal weight of concern were given to both the Producer's Risk and Consumer's Risk. Logistic constraints included limitations on the number of fish that could be collected, transportation of the estimated 30-40 thousand pounds of fish required, and processing capacity by the participating laboratories within the designated time frame of the survey. The number of five-fish composite samples to be collected and analyzed, the size stratification of these samples, and the individual site allocation of the samples as calculated for β = 5% and Δ = 1.0 ppm were determined to be optimal within the purpose, scope, and constraints of this survey (Table 2).

The planned temporal and spatial allocation of sampling for the survey is given in Table 3. As indicated in this table, 12 seasonal collections (sites) were planned in five geographic areas, i.e., New England (MA, RI); New York Bight (CT, NY, NJ); Maryland-Virginia; North Carolina; and Florida (Atlantic Coast). All 12 sites were to be sampled for five-fish composites according to the sampling schedule selected from Table 2 with length stratification and random compositing within each stratum accomplished as outlined in Table 1.

In addition to the five-fish composites indicated above, 100 individual fish were to be collected from each of 5 sites (underlined in Table 3) and allocated within each size class as follows: for length strata 1, 2, and 3; 15, 30, and 55 individuals, respectively. These collections of individual fish and the subsequent resulting analyses for PCBs were undertaken primarily to examine cofactors (e.g. length, weight, sex, gonadal development, etc.) that might provide insight into the dynamics of PCB accumulation and distribution. Finally, a minimum of five 25-fish composites of young-of-the-year bluefish ("snappers") were to be collected and analyzed to represent the "pan fishery" which takes place primarily in the estuaries of the New York Bight during summer and early fall.

The rationale used for site selection and timing of sampling was based on a number of considerations that included migratory behavior (Figure 2), distribution and abundance on a seasonal basis, and patterns of commercial (Figure 3) and recreational (Figure 4) catch and effort.

COLLECTION AND BIOLOGICAL EXAMINATION

Samples were purchased at dockside, iced "in-the-round" (i.e., ungutted) in appropriate containers as quickly as possible, and transported immediately to NOAA Sandy Hook Laboratory. Upon arrival, fish remained on ice or were refrigerated (not frozen) until they were examined for basic biological information (usually within 48 hours).

Initially, a randomly generated identification code was assigned to each specimen (individual fish). The biological data collected were: length (in millimeters) which included total, fork, and standard lengths; total body weight (in grams); sex and stage of maturity (determined where applicable); and gonads excised and weighed (in tenths of grams).

Additional biological material was collected. Scales were taken from all specimens and stored dry for subsequent mounting, microscopic analysis, and age and growth determinations. Also mature ovaries were excised and fixed for future estimates of fecundity and mode of spawning determinations.

TRANSFER OF SAMPLES AND DATA

After biological examinations, specimens were randomly fitted to length strata, appropriately coded and labeled, wrapped individually in aluminum foil, packed in appropriate containers, and frozen (-10 to -20°C). Individual fish samples were shipped frozen to NOAA Charleston Laboratory either by freezer truck or air freight. Samples for five-fish composite analysis were transported frozen to FDA Buffalo Laboratory by freezer truck.

All sampling information (e.g., time, location, method of capture, etc.) and biological data (e.g., length, weight, sex, etc.) were recorded on appropriate data processing forms and transferred to NOAA National Seafood Inspection Laboratory (NSIL) for incorporation into the master data management system for the survey. All sampling information and biological data were also incorporated into the NOAA Sandy Hook Laboratory 1032 data mangement system to simplify future data recall and analysis.

Upon receipt at NOAA Charleston and FDA Buffalo, specimens were placed in frozen storage at between -20 and -30°C after first verifying that the samples were in good condition (ie., solidly frozen and with packaging intact). The NOAA Sandy Hook identification code, applied to each fish on a tail tag and on packaging wrapping tape, was removed and replaced by a second randomly generated code used to identify the individual fish or five-fish composite sample throughout the subsequent chemical analysis. The matching codes were recorded and retained only by the authorized receiving agent at each laboratory (not the analytical chemist) for eventual transmittal to NOAA NSIL with the analytical data.

Throughout the course of the survey, fish were removed from holding freezers for chemical analyses in quantities and at intervals predetermined by the analytical chemist in charge.

CHEMICAL ANALYSES

The analytical methodology followed the protocol described in FDA's Pesticide Analytical Manual, Vol. I (PAM I), (Food and Drug Administration, 1978). The fish were prepared by homogenizing the edible portion (fillets with scales off and skin on). A representative portion of the total edible portion homogenate was extracted with petroleum ether. This extract was cleaned up by partitioning with acetonitrile. The cleanup continued by partitioning the fish extract in acetonitrile with petroleum ether and water. The cleanup ended with Florisil column chromatography of the petroleum ether sample solution. The Florisil column eluates used were 250 ml petroleum ether, 200 ml 6% and 200 ml 15% ethyl ether in petroleum ether. The PCBs were eluted in the petroleum ether eluate and the pesticides in all three eluates. Gas liquid chromatography with electron capture detection was used to determine the levels of PCBs and organohalogen pesticides in the fish sample. About 70 parent organohalogen and other non-ionic pesticides are recovered through the multi-residue methodology used for this survey.

Appropriate quality assurance was used throughout the survey. This included identity confirmation analyses, repeat analyses, repetitive analyses of portions of a specially prepared bluefish sample with biologically incurred PCB residues, analyses of bluefish samples fortified with Aroclors and organohalogen pesticides, and method reagent blank analyses.

Appendix Table I gives a step-by-step description of the analytical chemistry methodology used during the survey with appropriate references to PAM I, i.e., sample preparation, extraction, fat determination, petroleum ether-acetonitrile partitioning, Florisil column chromatography, gas liquid chromatographic determination, quality assurance procedures, and analytical hints.

DATA MANAGEMENT SYSTEMS

The survey's master data management system was contained in an on-line series of data bases in the Information Consultants Incorporated-D (ICID) computer system. After the data bases were structured by the interagency committee, the appropriate computer programming was completed and an additional terminal was located at NOAA NSIL for data entry and processing.

All participating laboratories, NOAA Sandy Hook, FDA Buffalo, and NOAA Charleston, were responsible for submitting all pertinent data to NOAA NSIL. Upon receipt, these data were entered, stored, verified, edited, retrieved, and generated for all required reports. The flow of all data elements is illustrated in Figure 5.

After being entered, all data were transferred from the mainframe system to an IBM-XT Personal Computer in order to secure a back-up system as well as to offer the survey data to the participating agencies in a personal computer-compatible format for subsequent data processing, analysis, and report writing.

RESULTS

Sampling

A tabulation, on a length strata basis, of all five-fish composite and individual samples collected from each designated site during the survey is given in Table 4. These collections are further illustrated in Figure 6. Detailed information pertinent to specific capture locations within each site, including date and method of capture as well as capture and site codes, is given in Appendix Table II.

Five-Fish Composite Samples

The descriptive results of PCB levels per site in the five-fish composite samples collected during the survey are given in Table 5. Included in this table are the number of samples; summary of length, weight, and lipid content data; number and percent of samples greater than the trace level; and PCB level summary statistics.

Frequency distributions of PCB levels per site for the five-fish composite samples collected during the survey are given in Table 6. Included in this table are the number, percent, and cumulative percent per interval.

Frequency distributions of PCB levels per length stratum for each site for the five-fish composite samples collected during the survey are given in Tables 7-17. Included in these tables are the number, percent, and cumulative percent per interval.

Frequency distributions of organohalogen pesticide levels in the five-fish composite samples collected during the survey are given for each sampling site in Tables 18-28. Included in these tables are the number, percent, and cumulative percent per interval for Hexachlorobenzene (HCB), α-BHC , Dieldrin, trans-Nonachlor, Octachlor Epoxide, trans-Chlordane, cis-Chlordane, p,p'-TDE, p,p'-DDT, and p,p'-DDE.

Individual Fish Samples

The descriptive results of PCB levels per site for the individual fish samples collected during the survey are given in Table 29. Included in this table are the number of samples; summary of length, weight, and lipid content data; number and percent of samples greater than the trace level; and PCB level summary statistics.

Frequency distributions of PCB levels per site for the individual fish samples collected during the survey are given in Table 30. Included in this table are the number, percent, and cumulative percent per interval.

Frequency distributions of PCB levels per length stratum for each site for the individual fish samples collected during the survey are given in Tables 31-35. Included in these tables are the number, percent, and cumulative percent per interval.

Young-of-the-Year ("snappers") Samples

The descriptive results of PCB levels in the 25-fish composite samples of young-of-the-year ("snappers") bluefish collected during the survey are given in Table 36. Included in this table are the capture information, lipid content, and a summary of length and weight data.

Raw Data

All biological and chemical data used to produce the summary results presented in Tables 5-36 are given in the Appendix. These data are listed in Appendix Tables III-XIII (five-fish composite samples), XIV-XVIII (individual fish samples), and XIX (young-of-the-year samples). Arrangements are being made for computer-compatible copies of these data to be obtained at cost from the National Technical Information Service (NTIS), U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161.

QUALITY ASSURANCE

Benchmark Analyses

FDA (Washington, DC) prepared two benchmark samples (designated as Benchmarks I and II) during the course of the survey. These benchmark samples were specially prepared bluefish samples with biologically incurred PCB residues. During the course of the survey, FDA Buffalo Laboratory analyzed a total of 43 benchmark portions and NOAA Charleston Laboratory 40 portions. Before the two benchmark samples were used for quality assurance purposes, each was initially analyzed to certify that repeatable results could be obtained and to establish a mean PCB level in the benchmark sample. During the course of the survey, all Benchmark I determinations were within ± 30% of its pre-determined mean level. During the survey Buffalo and Charleston together analyzed Benchmark I 16 times. The mean of the 16 Buffalo and

Charleston determinations of Benchmark I was 1.47 ppm PCBs as Aroclor 1254. All Benchmark I determinations were within ± 30% of this mean. All Benchmark II determinations were within ± 30% of the pre-determined mean level except two from Buffalo and six from Charleston. During the survey, Buffalo and Charleston together analyzed Benchmark II 67 times. The mean of the 67 Buffalo and Charleston determinations of Benchmark II was 1.32 ppm PCBs as Aroclor 1254. Only two Benchmark II determinations were not within ± 30% of this mean. One was 30% lower than the mean (0.92 ppm from Buffalo) and the other was 36% higher (1.79 ppm from Charleston). Considering the large number (67) of determinations of Benchmark II and the length of time Benchmark II was used (April 30, 1985 to Jan. 17, 1986), the mean of all Benchmark II determinations may be more valid than its pre-determined level for quality assurance purposes. The intra-laboratory coefficients of variation (CV) for Buffalo and Charleston benchmark determinations were 8.0% and 3.8% (Benchmark I), and 15.1% and 13.0% (Benchmark II), respectively. A collaborative study (Sawyer, 1978) showed an inter-laboratory coefficient of variation of 31.4% with nine collaborators determining the incurred PCB residue in milk. Raw data pertinent to the benchmark analyses are given in Appendix Tables XX and XXI for FDA Buffalo and NOAA Charleston, respectively.

Recovery Data

Buffalo performed four recovery analyses with bluefish fortified (spiked) with Aroclor 1242 (mean 79%; range 55%-98%), eight recoveries with Aroclor 1254 (mean, 86%; range, 76%-102%), and five recoveries with Aroclor 1260 (mean, 82%; range 71%-91%). Charleston performed 65 recovery analyses with bluefish fortified (spiked) with Aroclor 1254 (mean, 91%, range, 70%-127%) and 38 recoveries with Aroclor 1260 (mean 88%, range 78%-102%). In a study with nine collaborating laboratories, Sawyer (1973) documented recoveries from red

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Confirmation Analyses

The identity of the PCB residue in a total of 206 survey samples was confirmed. Buffalo confirmed the identity of the PCBs found in 159 survey analyses, 72 by an additional electron capture, gas chromatographic determination after silicic acid column chromatography (FDA Pesticide Analytical Manual I 251) and 87 by mass spectrometry. Charleston confirmed the identity of the PCBs in 47 survey analyses by an additional electron capture, gas chromatographic determination using a packed column containing a different polarity liquid phase.

Method Reagent Blanks

During the survey, a total of 81 method reagent blanks were performed. Buffalo analyzed 41 method reagent blanks for PCBs and pesticides and detected none at their detection limits. Charleston analysed 40 method reagent blanks for PCBs and detected none at their detection limits.

OBSERVATIONS

No composite or individual fish samples in the 300 or less and the 301-500 millimeter fork length size categories (small and medium) exceeded the FDA tolerence level (2 ppm) for PCBs at any site sampled. However, some samples in the greater than 500 millimeter fork length size category (large) exceeded the FDA tolerance for PCBs at every site sampled during the survey. An abbreviated summary of the five-fish composite samples for all size categories follows (refer to Tables 5-17 for additional information):

PCB SUMMARY TABLE OF FIVE-FISH COMPOSITE SAMPLES

Site (Date 1985)	No. of Five-Fish Composite Samples			PCB Level						Percent of Samples > 2 ppm		
				Median			90th Percentile					
	Small	Medium	Large	Small	Medium	Large	Small	Medium	Large	Small	Medium	Large
North Carolina (January/February)	6	6	65	T[1]	0.78	1.35	0.34	1.11	2.16	0.0	0.0	10.8
North Carolina (March)	0	6	65	-[2]	T	1.53	-	T	2.22	-	0.0	16.9
North Carolina (April)	6	6	65	T	T	1.70	0.33	T	2.45	0.0	0.0	23.1
Maryland-Virginia (June/July)	7	10	0	T	T	-	T	T	-	0.0	0.0	-
New York Bight (May/June)	6	6	65	T	T	0.98	0.32	0.58	1.87	0.0	0.0	4.6
New England (June/July)	1	6	65	T	T	1.19	T	0.34	1.85	0.0	0.0	4.6
New York Bight (August)	0	6	65	-	T	0.77	-	0.32	1.51	-	0.0	4.6
New England (August)	0	6	65	-	T	1.37	-	0.58	14.16	-	0.0	27.7
Maryland-Virginia (September/October)	6	6	0	T	T	-	T	T	-	0.0	0.0	-
New England (October)	0	4	65	-	0.89	1.02	-	1.23	1.63	-	0.0	3.1
New York Bight (October/November)	6	6	64	T	T	1.86	T	T	3.40	0.0	0.0	45.3

[1] T=Trace (0.20 ppm)
[2] A Dash (-) = No Data

None of the pesticide levels determined in this survey were of any regulatory significance to FDA (refer to Tables 18-28 for additional information).

NOTE

THIS DOCUMENT IS PROVIDED SOLELY FOR THE PURPOSE OF PRESENTING THE SURVEY DATA COLLECTED, BOTH IN RAW AND SUMMARY FORM. AN INTERPRETIVE REPORT BASED ON THE RESULTS OF THIS SURVEY, INCLUDING AN ASSESSMENT OF PUBLIC HEALTH RISK, WILL BE PROVIDED TO CONGRESS IN DECEMBER 1986.

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GLOSSARY

Cumulative Percent	= The sum of the percentage of values up to and including those in the corresponding interval.
°C	= Degrees Celsius
EPA	= U. S. Environmental Protection Agency
FDA	= U. S. Food and Drug Administration
Fork Length (FL)	= Measurement of fish length from the snout to the extent of the mid-caudal finray.
GLC	= Gas-liquid chromatography
90th Percentile	= The value which has 90% of the values in a data set less than it and 10% greater than it.
Maximum	= The largest value in a data set.
Mean	= A measure of central tendency (i.e., average value) defined to be the sum of the values divided by the number of values in a data set.
Median	= A measure of central tendency (i.e., average value) defined to be that value which has 50% of the values in a data set less than it and 50% greater than it.
Minimum	= The smallest value in a data set.
mm	= Millimeter
NOAA	= National Oceanic and Atmospheric Administration
NJDEP	= New Jersey Department of Environmental Protection
ppm	= Parts-per-million; micrograms-per-gram or milligrams-per-kilogram.
PAM	= FDA Pesticides Analytical Manual
PCBs	= Polychlorinated biphenyls
Range	= The difference between the largest value and the smallest value in a data set.

Standard Length (SL) = Measurement of fish length from the snout to beak between the spinal column and the caudal peduncle processes.

Total Length (TL) = Measurement of fish length from the snout to the compressed extent of the caudal fin.

The following terms used to express residue findings in this report are based on application of the referenced analytical methodology in which a specified equivalent sample weight is analyzed by gas-liquid chromatography with specified parameters so as to provide a defined response to an individual analyte.

Addition of Trace Levels = When a trace level (T) is reported for more than one PCB Aroclor in a sample, the total PCBs for the sample will reflect the addition of only one T value. Example: T (Aroclor 1242) + T (Aroclor 1248) + 1.00 ppm (Aroclor 1254) + T (Aroclor 1260) = 1.20 ppm.

Assigned Trace Level = A residue level assigned to trace reportings of a given analyte in order to facilitate certain statistical analyses of findings (a level generally derived as the half way point between the "limit of detection" and "limit of quantitation").

Limit of Detection = The lowest level of the anlayte which can be detected reliably.

Limit of Quantitation = The lowest level of the analyte which can be determined quantitatively.

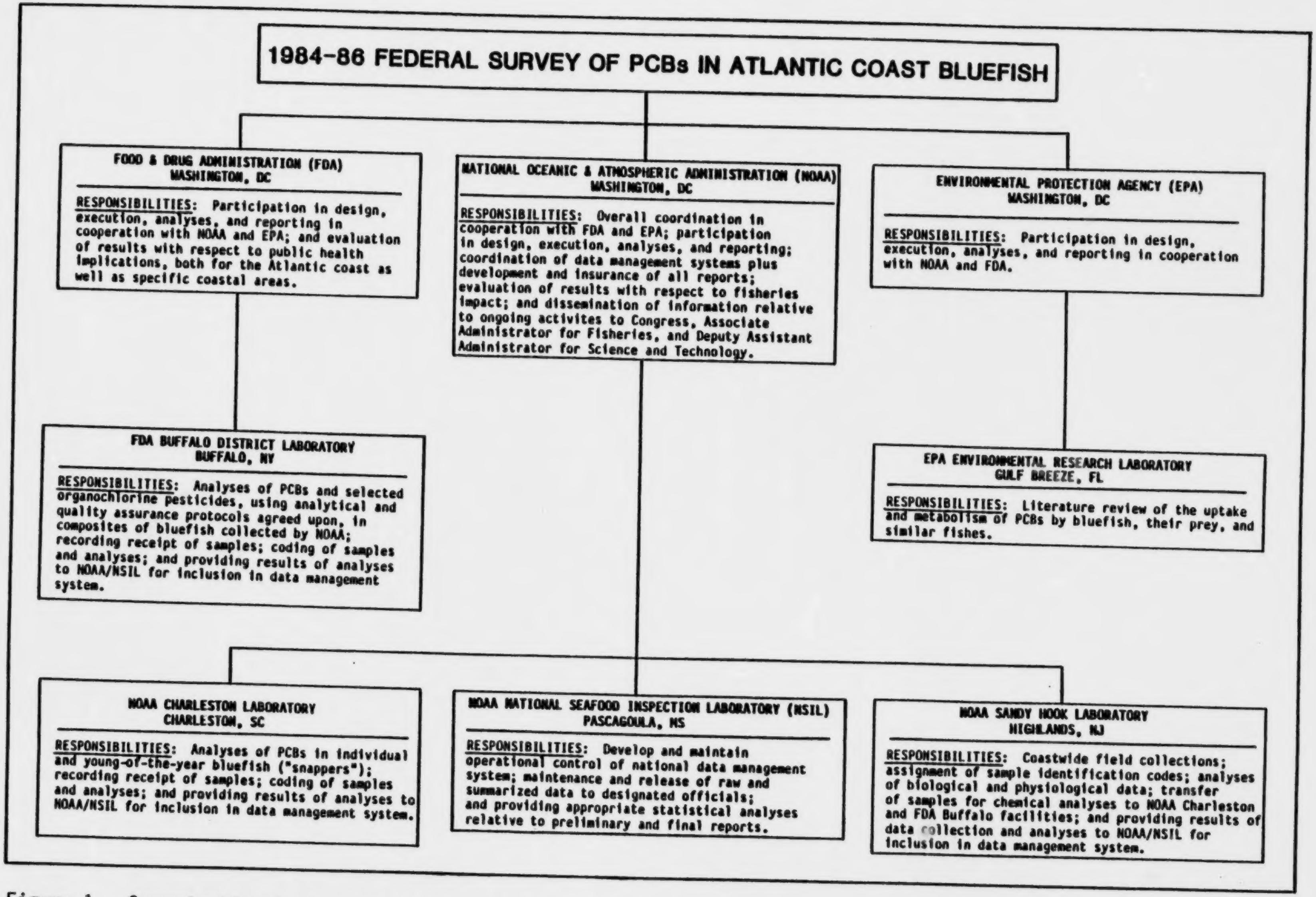
Non Detectable (ND) = A failure to detect the presence of an analyte which the analytical method is capable of detecting if present at or above the "limit of detection".

Trace (T) = A positive detection of the analyte but at a level too low to quantitate (level which lies between the "limit of detection" and "limit of quantitation").

"Limit of Quantitation", "Limit of Detection", and "Assigned Trace Level" for PCBs and organohalogen pesticides detected during the survey:

	Limit of Quantitation (ppm)	Limit of Detection (ppm)	Assigned Trace (ppm)
PCBs	0.3	0.1	0.2
p,p'-DDE	0.02	0.01	0.01
trans-Nonachlor	0.02	0.01	0.01
trans-Chlordane	0.02	0.01	0.01
Dieldrin	0.02	0.01	0.01
p,p'-DDT	0.04	0.02	0.03
α -BHC	0.01	0.003	0.007
cis-Chlordane	0.02	0.01	0.01
Octachlor Epoxide	0.02	0.01	0.01
Hexachlorobenzene (HCB)	0.01	0.003	0.007
p,p'-TDE	0.03	0.01	0.02

FIGURES



1984-86 FEDERAL SURVEY OF PCBs IN ATLANTIC COAST BLUEFISH

FOOD & DRUG ADMINISTRATION (FDA)
WASHINGTON, DC

RESPONSIBILITIES: Participation in design, execution, analyses, and reporting in cooperation with NOAA and EPA; and evaluation of results with respect to public health implications, both for the Atlantic coast as well as specific coastal areas.

NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION (NOAA)
WASHINGTON, DC

RESPONSIBILITIES: Overall coordination in cooperation with FDA and EPA; participation in design, execution, analyses, and reporting; coordination of data management systems plus development and insurance of all reports; evaluation of results with respect to fisheries impact; and dissemination of information relative to ongoing activites to Congress, Associate Administrator for Fisheries, and Deputy Assistant Administrator for Science and Technology.

ENVIRONMENTAL PROTECTION AGENCY (EPA)
WASHINGTON, DC

RESPONSIBILITIES: Participation in design, execution, analyses, and reporting in cooperation with NOAA and FDA.

FDA BUFFALO DISTRICT LABORATORY
BUFFALO, NY

RESPONSIBILITIES: Analyses of PCBs and selected organochlorine pesticides, using analytical and quality assurance protocols agreed upon, in composites of bluefish collected by NOAA; recording receipt of samples; coding of samples and analyses; and providing results of analyses to NOAA/NSIL for inclusion in data management system.

EPA ENVIRONMENTAL RESEARCH LABORATORY
GULF BREEZE, FL

RESPONSIBILITIES: Literature review of the uptake and metabolism of PCBs by bluefish, their prey, and similar fishes.

NOAA CHARLESTON LABORATORY
CHARLESTON, SC

RESPONSIBILITIES: Analyses of PCBs in individual and young-of-the-year bluefish ("snappers"); recording receipt of samples; coding of samples and analyses; and providing results of analyses to NOAA/NSIL for inclusion in data management system.

NOAA NATIONAL SEAFOOD INSPECTION LABORATORY (NSIL)
PASCAGOULA, MS

RESPONSIBILITIES: Develop and maintain operational control of national data management system; maintenance and release of raw and summarized data to designated officials; and providing appropriate statistical analyses relative to preliminary and final reports.

NOAA SANDY HOOK LABORATORY
HIGHLANDS, NJ

RESPONSIBILITIES: Coastwide field collections; assignment of sample identification codes; analyses of biological and physiological data; transfer of samples for chemical analyses to NOAA Charleston and FDA Buffalo facilities; and providing results of data collection and analyses to NOAA/NSIL for inclusion in data management system.

Figure 1. Organizational structure and responsibilities of all participants in the 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish.

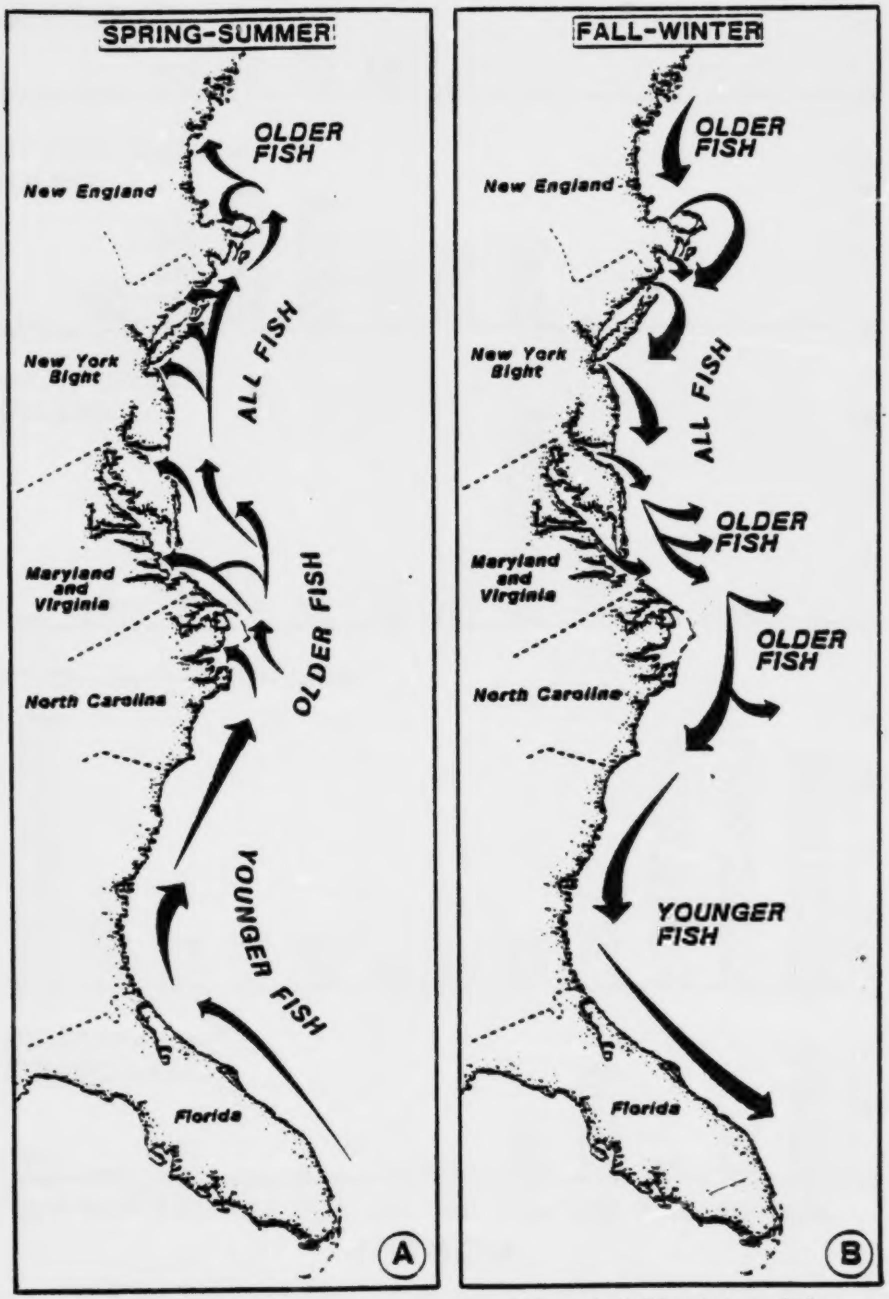

SPRING-SUMMER
OLDER FISH
New England
ALL FISH
New York Bight
Maryland and Virginia
OLDER FISH
North Carolina
YOUNGER FISH
Florida
A
FALL-WINTER
OLDER FISH
New England
New York Bight
ALL FISH
OLDER FISH
Maryland and Virginia
OLDER FISH
North Carolina
YOUNGER FISH
Florida
B

Figure 2. Generalized spring-summer (A) and fall-winter (B) migratory pathways of the bluefish along the Atlantic Coast (from Wilk, 1977).

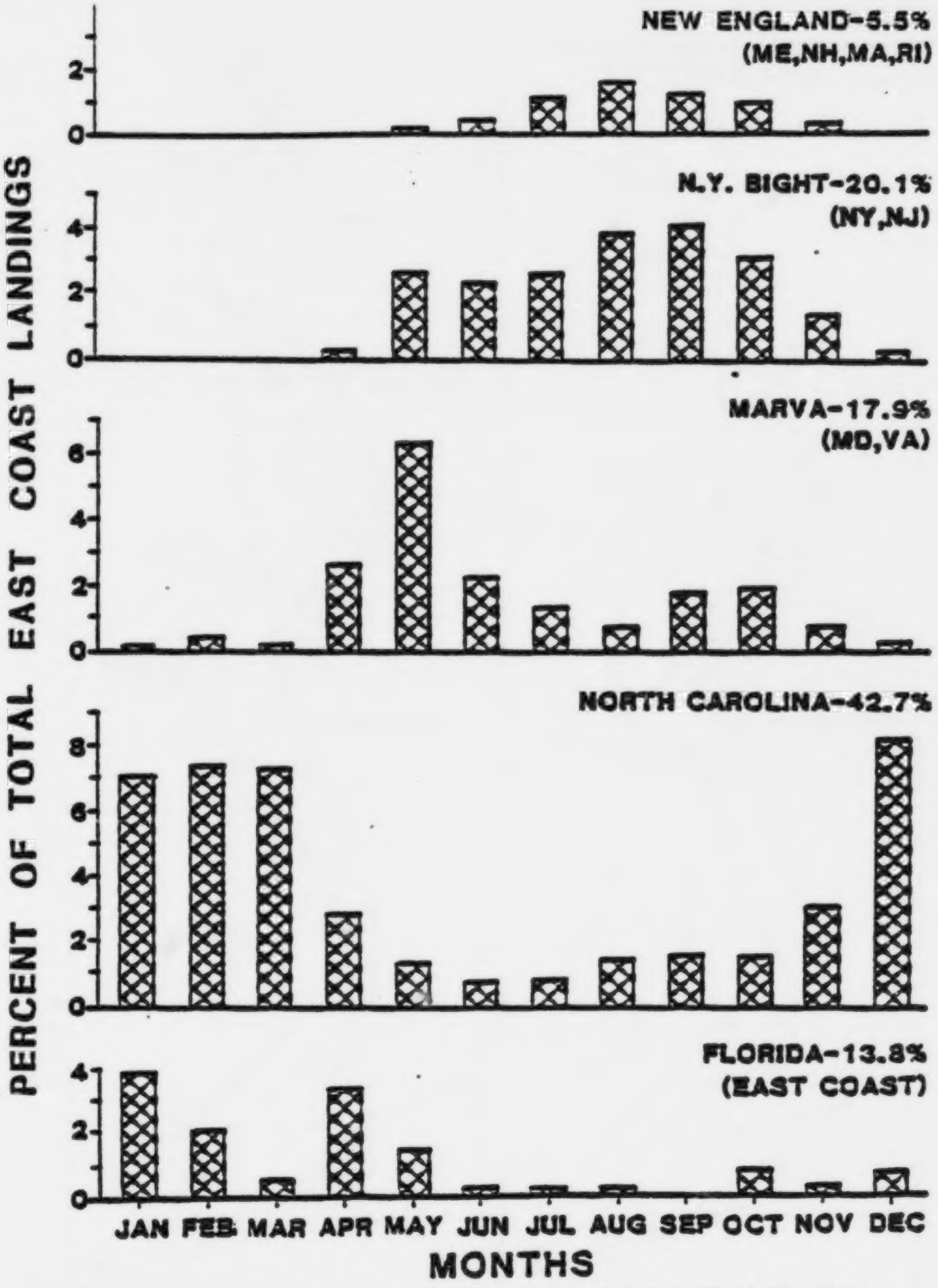


Figure 3. Patterns of Atlantic Coast commercial bluefish landings expressed as percentage of 1981 yearly total by geographic area by month. Landings < 0.1% are not included and geographic areas illustrated are those designated in the 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish.

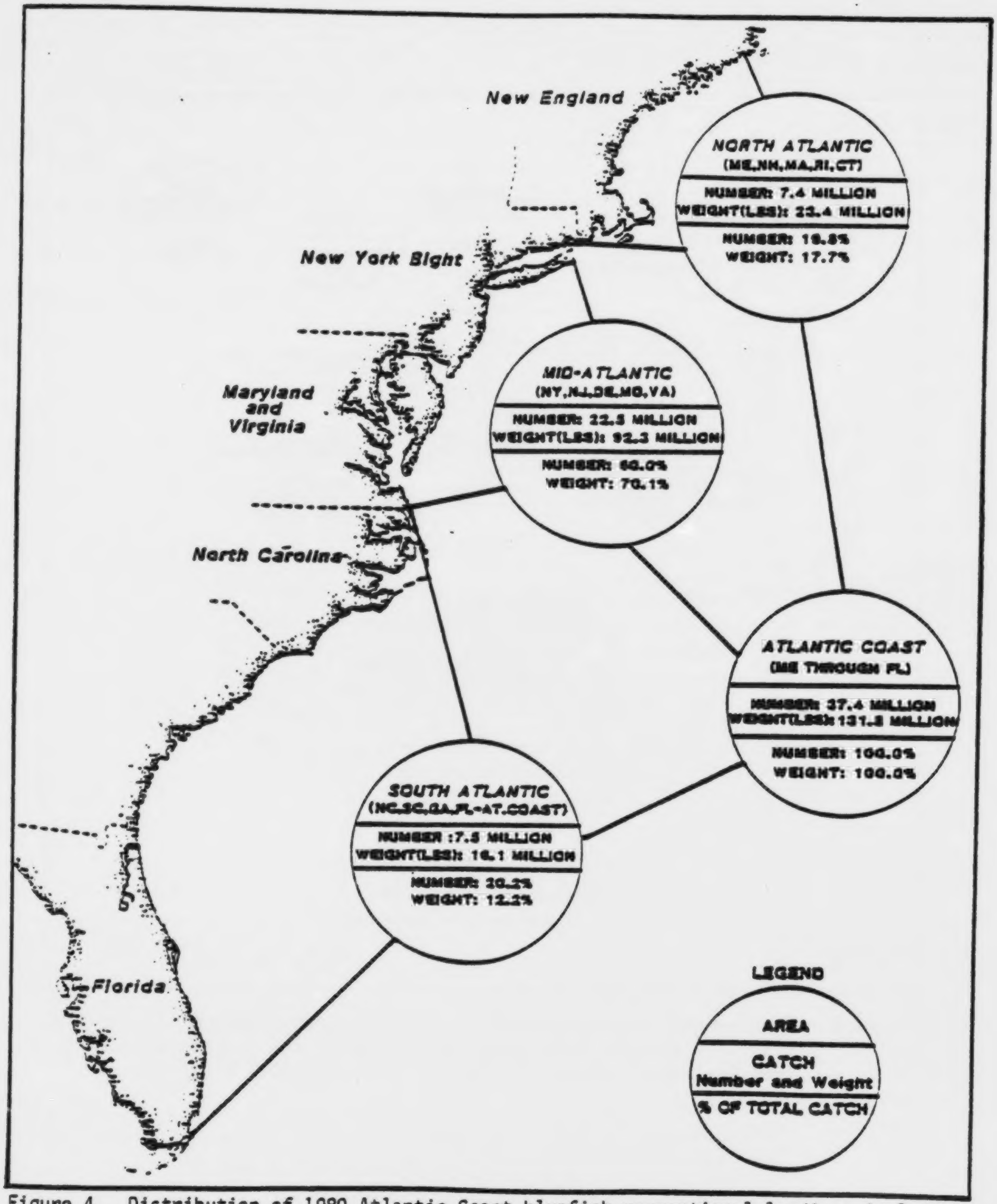

New England
New York Bight
Maryland and Virginia
North Carolina
Florida
NORTH ATLANTIC
(ME,NH,MA,RI,CT)
NUMBER: 7.4 MILLION
WEIGHT(LBS): 23.4 MILLION
NUMBER: 19.8%
WEIGHT: 17.7%
MID-ATLANTIC
(NY,NJ,DE,MD,VA)
NUMBER: 22.5 MILLION
WEIGHT(LBS): 92.3 MILLION
NUMBER: 60.0%
WEIGHT: 70.1%
ATLANTIC COAST
(ME THROUGH FL)
NUMBER: 37.4 MILLION
WEIGHT(LBS): 131.8 MILLION
NUMBER: 100.0%
WEIGHT: 100.0%
SOUTH ATLANTIC
(NC,SC,GA,FL-AT.COAST)
NUMBER :7.5 MILLION
WEIGHT(LBS): 16.1 MILLION
NUMBER: 20.2%
WEIGHT: 12.2%
LEGEND
AREA
CATCH
Number and Weight
% OF TOTAL CATCH

Figure 4. Distribution of 1980 Atlantic Coast bluefish recreational landings including number and weight as well as percent of total number and weight by region. Sampling areas designated in the 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish are indicated.

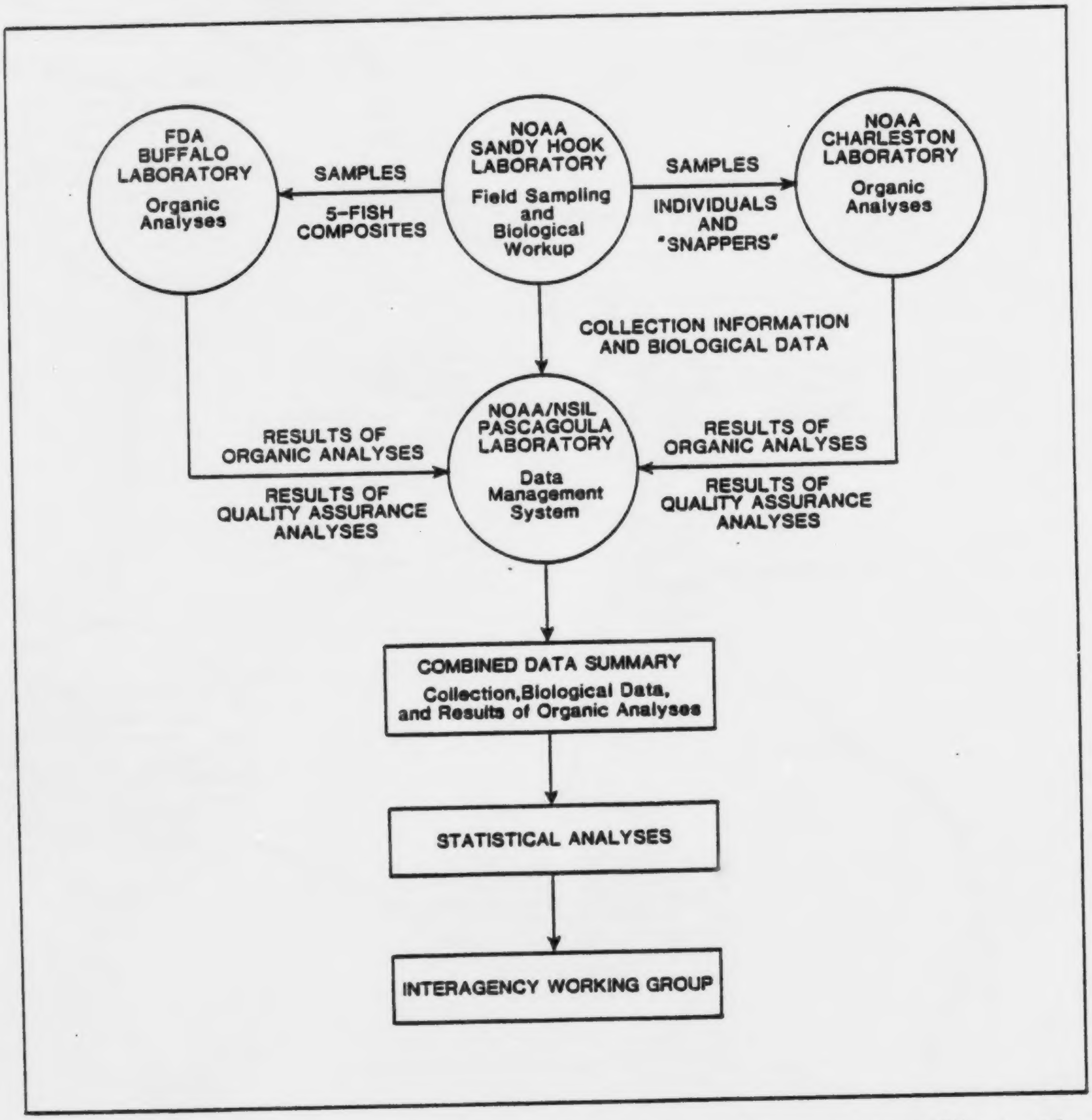

FDA
BUFFALO
LABORATORY
Organic
Analyses
SAMPLES
5-FISH
COMPOSITES
NOAA
SANDY HOOK
LABORATORY
Field Sampling
and
Biological
Workup
SAMPLES
INDIVIDUALS
AND
"SNAPPERS"
NOAA
CHARLESTON
LABORATORY
Organic
Analyses
COLLECTION INFORMATION
AND BIOLOGICAL DATA
RESULTS OF
ORGANIC ANALYSES
RESULTS OF
QUALITY ASSURANCE
ANALYSES
NOAA/NSIL
PASCAGOULA
LABORATORY
Data
Management
System
RESULTS OF
ORGANIC ANALYSES
RESULTS OF
QUALITY ASSURANCE
ANALYSES
COMBINED DATA SUMMARY
Collection,Biological Data,
and Results of Organic Analyses
STATISTICAL ANALYSES
INTERAGENCY WORKING GROUP

Figure 5. Diagrammatic representation of data management system illustrating flow of field and laboratory data elements and procedures during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish.

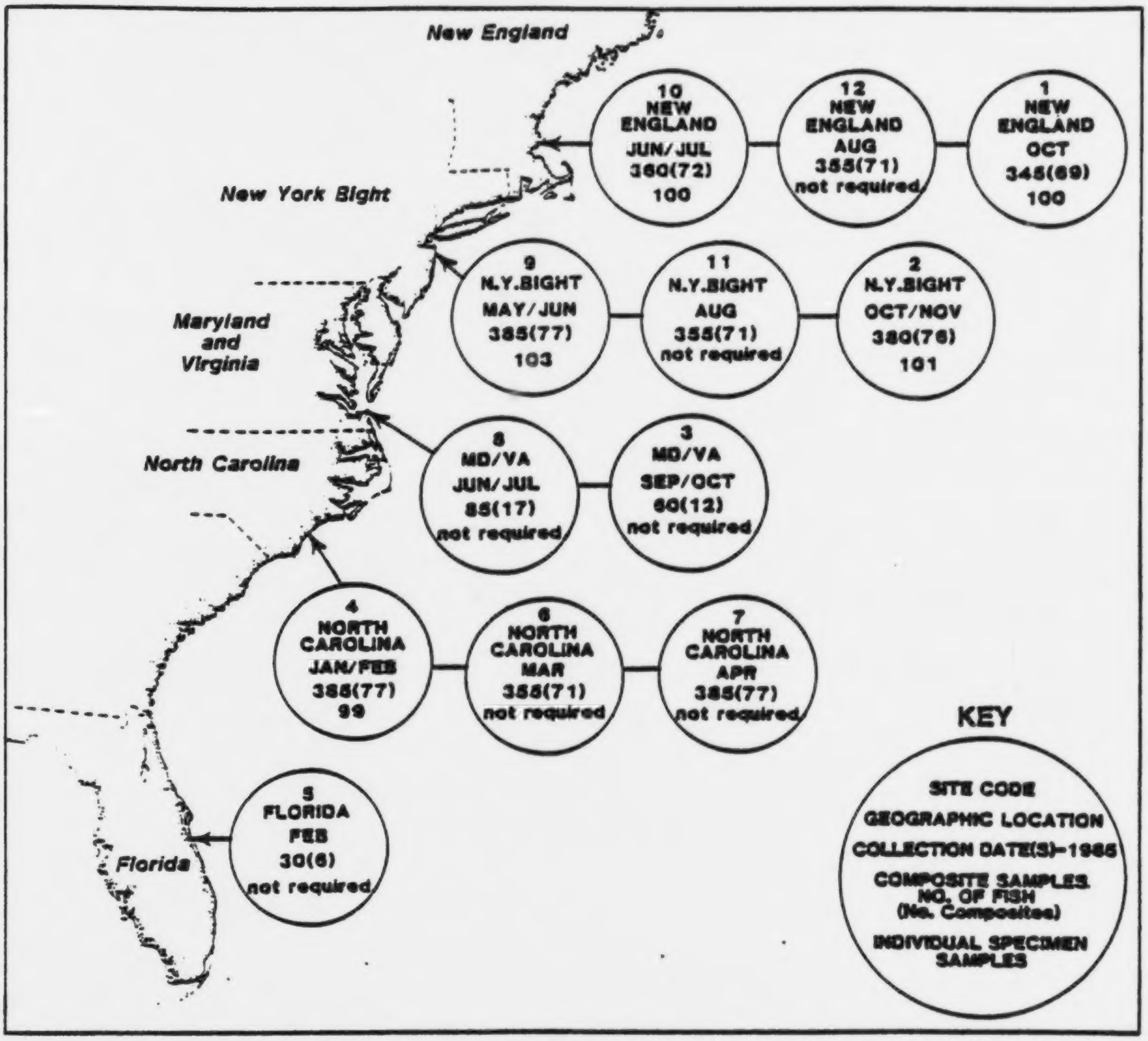

New England
New York Bight
Maryland and Virginia
North Carolina
Florida
10 NEW ENGLAND JUN/JUL 360(72) 100
12 NEW ENGLAND AUG 355(71) not required
1 NEW ENGLAND OCT 345(69) 100
9 N.Y.BIGHT MAY/JUN 385(77) 103
11 N.Y.BIGHT AUG 355(71) not required
2 N.Y.BIGHT OCT/NOV 380(76) 101
8 MD/VA JUN/JUL 85(17) not required
3 MD/VA SEP/OCT 60(12) not required
4 NORTH CAROLINA JAN/FEB 385(77) 99
6 NORTH CAROLINA MAR 355(71) not required
7 NORTH CAROLINA APR 385(77) not required
5 FLORIDA FEB 30(6) not required
KEY
SITE CODE
GEOGRAPHIC LOCATION
COLLECTION DATE(S)-1986
COMPOSITE SAMPLES
NO. OF FISH
(No. Composites)
INDIVIDUAL SPECIMEN SAMPLES

Figure 6. Summary of collections made during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish.

TABLES

Table 1. Summary statistics for 1975-82 combined New Jersey and Massachusetts historical five-fish composite PCB data set. Length strata are in millimeters (mm) fork length and are based on equal intervals on a logrithmic scale, and PCB levels are expressed in parts-per-million.

Summary Statistics	Length Strata (mm Fork Length) 1 300 or less	 2 301 - 500	 3 501 or more
Sample Size (n)	6	14	20
PCB Mean ($\bar{x}$)	0.72	0.68	2.64
PCB Standard Deviation (s)	0.73	0.73	2.44
PCB Range	0.00-1.70	0.27-2.44	0.42-8.28

Table 2. Approximate number of five-fish composites per sampling site per length strata for α = 5% and various combinations of β and selected values of Δ under the Alternative Hypothesis (H_A). Minimum sample size per category was set at 5. Lengths in millimeters (mm) fork length and an asterisk (*) indicates the selected design option for 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish.

Length Strata (mm Fork Length)	Combinations of β's and Δ's with α= 5%								
	β =5%			β =10%			β =20%		
	Δ			Δ			Δ		
	0.5	1.0*	1.5	0.5	1.0	1.5	0.5	1.0	1.5
1 300 or less	23	6	5	19	5	5	14	5	5
2 301-500	23	6	5	19	5	5	14	5	5
3 501 or more	258	65	29	204	51	23	148	37	5
Site Total	304	77	39	242	61	33	176	47	15

Table 3. Planned site allocation of five-fish composites (77/site) and individual fish (100/site) for 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Underlined "Seasons" indicate when sites were to be sampled for individual fish In addition, at least five 25-fish composites of young-of-the-year ("snappers") were to be collected in the New York Bight during summer and fall.

Geographic Area	Seasons (sites)	No. of Composite Collections	No. of Individual Collections
New England	Early Summer, Late Summer, Fall	3	2
N.Y. Bight	Spring-Early Summer, Late Summer, Fall	3	2
Maryland-Virginia	Spring, Fall	2	0
North Carolina	Early Winter, Late Winter, Spring	3	1
Florida (Atlantic Coast)	Winter	1	0
Survey Total		12[1]	5[2]

[1] Total composite samples (12 x 77) = 924
[2] Total individual samples (5 x 100) = 500

Table 4. Actual samples, on a per length strata basis, collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, an asterisk (*) = collection planned but not obtainable, a double dash (--) = collection not required, and numbers in parentheses () = number of five-fish composites.

			Length Strata (mm Fork Length)							
			1		2		3			
Collection Date (1985)	Geographic Area	Site Code	300 or less Composite	300 or less Individual	301-500 Composite	301-500 Individual	501 or more Composite	501 or more Individual	Total Composite	Total Individual
Jan/Feb	North Carolina	4	30(6)	14	30(6)	30	325(65)	55	385(77)	99
February	Florida	5	*	--	30(6)[1]	--	*	--	30(6)[1]	--
March	North Carolina	6	*	--	30(6)	--	325(65)	--	355(71)	--
April	North Carolina	7	30(6)	--	30(6)	--	325(65)	--	385(77)	--
June/July	Maryland/Virginia	8	35(7)	--	50(10)	--	*	--	85(17)	--
May/June	New York Bight	9	30(6)	15	30(6)	30	325(65)	58	385(77)	103
June/July	New England	10	5(1)[2]	9	30(6)	37	325(65)	54	360(72)	100
August	New York Bight	11	*	--	30(6)	--	325(65)	--	355(71)	--
August	New England	12	*	--	30(6)	--	325(65)	--	355(71)	--
Sept/Oct	Maryland/Virginia	3	30(6)	--	30(6)	--	*	--	60(12)	--
October	New England	1	*	15	20(4)[2]	21	325(65)	64	345(69)	100
Oct/Nov	New York Bight	2	30(6)	15	30(6)	30	320(64)[2]	56	380(76)	101
	Totals		190(38)	68	370(74)[3]	148	2920(584)	287	3480(696)[3]	503

[1] Sample lost after collection

[2] Partial collection

[3] Includes lost Florida collection

Table 5. Descriptive results, on a per site basis, of PCB levels in five-fish composite samples collected during the 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters fork length, weights in grams, lipid content in percent, PCB levels in parts-per-million (ppm), T = Trace (0.20 ppm), ND = non detectable, T* = mean value between non detectable (ND) and trace (T), and a double dash (--) = no data.

Site Code	Geographic Area (Date)	Length Strata	Number of Samples	Mean Fork Length (Min/Max)	Mean Weight (Min/Max)	Mean Lipid Content	No. and (%) of Samples ≥Trace	PCB Level (ppm)				
								Mean	Median	90th Percentile	Min	Max
4	North Carolina (Jan/Feb 85)	300 or less	6	277 (262/292)	306 (258/368)	2.3	6 (100.0)	0.26	T	0.34	T	0.55
		301-500	6	363 (321/384)	678 (468/810)	5.0	6 (100.0)	0.70	0.78	1.11	T	1.25
		501 or more	65	716 (678/792)	4888 (3986/6832)	16.8	65 (100.0)	2.21	1.35	2.16	0.74	45.42
		Combined	77	654 (262/792)	4203 (258/6832)	14.8	77 (100.0)	1.94	1.30	2.00	T	45.42
	*Deleting the 45.42 ppm PCB composite	501 or more*	64	716 (678/792)	4888 (3986/6832)	16.8	64 (100.0)	1.53	1.34	2.06	0.74	8.29
		Combined*	76	653 (262/792)	4194 (258/6832)	14.7	76 (100.0)	1.37	1.30	1.95	T	8.29
6	North Carolina (Mar 85)	300 or less	0	--	--	--	--	--	--	--	--	--
		301-500	6	353 (336/395)	585 (505/794)	0.3	6 (100.0)	T	T	T	T	T
		501 or more	65	730 (685/786)	4574 (4005/5483)	12.1	65 (100.0)	1.57	1.53	2.22	0.62	3.14
		Combined	71	698 (366/786)	4237 (505/5483)	11.1	71 (100.0)	1.46	1.44	2.18	T	3.14

Table 5. continued.

Site Code	Geographic Area (Date)	Length Strata	Number of Samples	Mean Fork Length (Min/Max)	Mean Weight (Min/Max)	Mean Lipid Content	No. and (%) of Samples ≥Trace	PCB Level (ppm) Mean	Median	90th Percentile	Min	Max
7	North Carolina (April 85)	300 or less	6	261 (251/278)	198 (164/260)	0.8	6 (100.0)	0.25	T	0.33	T	0.52
		301-500	6	363 (321/406)	627 (477/786)	0.9	6 (100.0)	T	T	T	T	T
		501 or more	65	750 (790/793)	4914 (4191/5762)	8.4	65 (100.0)	1.80	1.70	2.45	1.15	3.25
		Combined	77	682 (251/793)	4212 (164/5762)	7.3	77 (100.0)	1.56	1.59	2.40	T	3.25
8	MD/VA (May 85)	300 or less	7	275 (262/289)	306 (266/361)	1.2	7 (100.0)	T	T	T	T	T
		301-500	10	385 (333/416)	769 (542/922)	0.8	10 (100.0)	T	T	T	T	T
		501 or more	0	--	--	--	--	--	--	--	--	--
		Combined	17	339 (262/416)	578 (266/922)	1.0	17 (100.0)	T	T	T	T	T

Table 5. continued.

Site Code	Geographic Area (Date)	Length Strata	Number of Samples	Mean Fork Length (Min/Max)	Mean Weight (Min/Max)	Mean Lipid Content	No. and (%) of Samples ≥Trace	PCB Level (ppm)				
								Mean	Median	90th Percentile	Min	Max
9	New York Bight (May/June 85)	300 or less	6	265 (258/270)	250 (181/285)	1.9	6 (100.0)	0.25	T	0.32	T	0.50
		301-500	6	408 (372/446)	950 (730/1244)	1.6	6 (100.0)	0.33	T	0.58	T	0.61
		501 or more	65	633 (538/787)	2951 (1884/5233)	4.5	65 (100.0)	1.06	0.98	1.87	T	2.91
		Combined	77	587 (258/787)	2585 (181/5233)	4.1	77 (100.0)	0.94	0.90	1.81	T	2.91
10	New England (June 85)	300 or less	1	280	309	2.1	1 (100.0)	T	T	T	T	T
		301-500	6	385 (314/443)	832 (460/1122)	2.0	6 (100.0)	0.26	T	0.34	T	0.54
		501 or more	65	697 (537/798)	3927 (1922/5764)	3.5	65 (100.0)	1.23	1.19	1.85	0.53	2.93
		Combined	72	665 (280/798)	3619 (309/5764)	3.4	72 (100.0)	1.13	1.10	1.84	T	2.93
11	New York Bight (Aug 85)	300 or less	0	--	--	--	--	--	--	--	--	--
		301-500	6	339 (323/361)	502 (411/634)	1.1	6 (100.0)	0.25	T	0.32	T	0.51
		501 or more	65	681 (520/783)	3698 (1719/5250)	4.0	65 (100.0)	0.95	0.77	1.51	T	6.14
		Combined	71	653 (323/783)	3428 (411/5250)	3.7	71 (100.0)	0.89	0.73	1.50	T	6.14

Table 5. continued.

Site Code	Geographic Area (Date)	Length Strata	Number of Samples	Mean Fork Length (Min/Max)	Mean Weight (Min/Max)	Mean Lipid Content	No. and (%) of Samples ≥Trace	PCB Level (ppm)				
								Mean	Median	90th Percentile	Min	Max
12	New England (Aug 85)	300 or less	0	--	--	--	--	--	--	--	--	--
		301-500	6	466 (457/473)	1261 (1202/1288)	1.4	6 (100.0)	0.34	T	0.58	T	0.71
		501 or more	65	703 (542/775)	4322 (1918/5935)	10.4	65 (100.0)	4.80	1.37	14.16	0.51	40.64
		Combined	71	683 (457/775)	4063 (1202/5935)	9.7	71 (100.0)	4.42	1.34	12.29	T	40.64
3	MD/VA (Sept/Oct 85)	300 or less	6	241 (205/289)	223 (135/373)	4.0	5 (83.3)	T*	T	T	ND	T
		301-500	6	359 (335/397)	708 (559/929)	5.2	6 (100.0)	T	T	T	T	T
		501 or more	0	--	--	--	--	--	--	--	--	--
		Combined	12	300 (205/397)	465 (135/929)	4.6	11 (91.7)	T*	T	T	ND	T
1	New England (Oct 85)	300 or less	0	--	--	--	--	--	--	--	--	--
		301-500	4	478 (470/490)	1484 (1411/1570)	7.4	4 (100.0)	0.94	0.89	1.23	0.60	1.38
		501 or more	65	665 (515/766)	3917 (1680/6149)	13.2	65 (100.0)	1.02	1.02	1.63	T	2.44
		Combined	69	654 (470/766)	3776 (1411/6149)	12.8	69 (100.0)	1.02	1.01	1.62	T	2.44

Table 5. continued.

Site Code	Geographic Area (Date)	Length Strata	Number of Samples	Mean Fork Length (Min/Max)	Mean Weight (Min/Max)	Mean Lipid Content	No. and (%) of Samples ≥Trace	PCB Level (ppm)				
								Mean	Median	90th Percentile	Min	Max
2	New York Bight (Oct/Nov 85)	300 or less	6	264 (235/284)	273 (190/354)	2.0	5 (83.3)	T*	T	T	ND	T
		301-500	6	333 (323/355)	543 (497/662)	4.9	6 (100.0)	T	T	T	T	T
		501 or more	64	703 (616/778)	4650 (3070/6152)	15.1	64 (100.0)	1.99	1.86	3.40	0.59	4.38
		Combined	76	639 (235/778)	3980 (190/6152)	13.3	75 (98.7)	1.70	1.66	3.20	ND	4.38

Table 6 . Frequency distribution, on a per site basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. PCBs levels (X) in parts-per-million (ppm), T = trace (0.20 ppm), and ND = non detectable.

PCB Level	Site Code, Geographic Area, Date of Collection											
	4			6			7			8		
	North Carolina			North Carolina			North Carolina			Maryland/Virginia		
	Jan/Feb 85			March 85			April 85			May 85		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	7	9.1	9.1	6	8.4	8.4	11	14.3	14.3	17	100.0	100.0
$T < X \le 0.5$	0	0.0	9.1	0	0.0	8.4	0	0.0	14.3	17	100.0	
$0.5 < X \le 1.0$	9	11.7	20.8	4	5.6	14.0	1	1.3	15.6			
$1.0 < X \le 1.5$	37	48.0	68.8	27	38.1	52.1	19	24.6	40.2			
$1.5 < X \le 2.0$	17	22.1	90.9	23	32.4	84.5	31	40.3	80.5			
$2.0 < X \le 2.5$	4	5.2	96.1	7	9.9	94.4	10	13.0	93.5			
$2.5 < X \le 3.0$	1	1.3	97.4	3	4.2	98.6	4	5.2	98.7			
$3.0 < X \le 3.5$	0	0.0	97.4	1	1.4	100.0	1	1.3	100.0			
$3.5 < X \le 4.0$	0	0.0	97.4	71	100.0		77	100.0				
$4.0 < X \le 4.5$	0	0.0	97.4									
$4.5 < X \le 5.0$	0	0.0	97.4									
$5.0 < X \le 5.5$	0	0.0	97.4									
$5.5 < X \le 6.0$	0	0.0	97.4									
$X > 6.0$	2	2.6	100.0									
	77	100.0										

Table 6 . continued.

PCB Level	Site Code, Geographic Area, Date of Collection											
	9			10			11			12		
	New York Bight			New England			New York Bight			New England		
	May/June 85			June 85			Aug 85			Aug 85		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	10	13.0	13.0	6	8.3	8.3	14	19.7	19.7	4	5.6	5.6
T < X ≤0.5	3	3.9	16.9	0	0.0	8.3	0	0.0	19.7	1	1.4	7.0
0.5 < X ≤1.0	34	44.2	61.1	25	34.7	43.0	32	45.1	64.8	8	11.3	18.3
1.0 < X ≤1.5	22	28.5	89.6	25	34.7	77.7	18	25.4	90.2	31	43.7	62.0
1.5 < X ≤2.0	5	6.5	96.1	13	18.1	95.8	4	5.6	95.8	9	12.7	74.7
2.0 < X ≤2.5	2	2.6	98.7	2	2.8	98.6	1	1.4	97.2	0	0.0	74.7
2.5 < X ≤3.0	1	1.3	100.0	1	1.4	100.0	1	1.4	98.6	1	1.4	76.1
3.0 < X ≤3.5	77	100.0		72	100.0		0	0.0	98.6	0	0.0	76.1
3.5 < X ≤4.0							0	0.0	98.6	1	1.4	77.5
4.0 < X ≤4.5							0	0.0	98.6	1	1.4	78.9
4.5 < X ≤5.0							0	0.0	98.6	1	1.4	80.3
5.0 < X ≤5.5							0	0.0	98.6	0	0.0	80.3
5.5 < X ≤6.0							0	0.0	98.6	0	0.0	80.3
X >6.0							1	1.4	100.0	14	19.7	100.0
							71	100.0		71	100.0	

Table 6. continued.

PCB Level	Site Code, Geographic Area, Date of Collection								
	3 Maryland/Virginia Sept/Oct 85			1 New England Oct 85			2 New York Bight Oct/Nov 85		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	8.3	8.3	0	0.0	0.0	1	1.3	1.3
T	11	91.7	100.0	5	7.2	7.2	11	14.5	15.8
T < X ≤0.5	12	100.0		0	0.0	7.2	0	0.0	15.8
0.5 < X ≤1.0				29	42.0	49.2	12	15.8	31.6
1.0 < X ≤1.5				26	37.8	87.0	10	13.2	44.8
1.5 < X ≤2.0				7	10.1	97.1	13	17.1	61.9
2.0 < X ≤2.5				2	2.9	100.0	12	15.8	77.7
2.5 < X ≤3.0				69	100.0		8	10.5	88.2
3.0 < X ≤3.5							4	5.3	93.5
3.5 < X ≤4.0							2	2.6	96.1
4.0 < X ≤4.5							3	3.9	100.0
4.5 < X ≤5.0							76	100.0	
5.0 < X ≤5.5									
5.5 < X ≤6.0									
X >6.0									

Table 7. SITE 4 (North Carolina, January-February 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm)

	Length Strata (mm fork length)											
	1 300 or less			2 301-500			3 501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	5	83.3	83.3	2	33.3	33.3	0	0.0	0.0	7	9.1	9.1
T < X ≤0.5	0	0.0	83.3	0	0.0	33.3	0	0.0	0.0	0	0.0	9.1
0.5 < X ≤1.0	1	16.7	100.0	2	33.3	66.6	6	9.2	9.2	9	11.7	20.8
1.0 < X ≤1.5	6	100.0		2	33.4	100.0	35	53.9	63.1	37	48.0	68.8
1.5 < X ≤2.0				6	100.0		17	26.1	89.2	17	22.1	90.9
2.0 < X ≤2.5							4	6.2	95.4	4	5.2	96.1
2.5 < X ≤3.0							1	1.5	96.9	1	1.3	97.4
3.0 < X ≤3.5							0	0.0	96.9	0	0.0	97.4
3.5 < X ≤4.0							0	0.0	96.9	0	0.0	97.4
4.0 < X ≤4.5							0	0.0	96.9	0	0.0	97.4
4.5 < X ≤5.0							0	0.0	96.9	0	0.0	97.4
5.0 < X ≤5.5							0	0.0	96.9	0	0.0	97.4
5.5 < X ≤6.0							0	0.0	96.9	0	0.0	97.4
X >6.0							2	3.1	100.0	2	2.6	100.0
							65	100.0		77	100.0	

Table 8. SITE 6 (North Carolina, March 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm)

PCB Level	Length Strata (mm fork length)									All Strata Combined		
	1 300 or less			2 301-500			3 501 or more					
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND		No Samples		0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T				6	100.0	100.0	0	0.0	0.0	6	8.4	8.4
T < X ≤0.5				6	100.0		0	0.0	0.0	0	0.0	8.4
0.5 < X ≤1.0							4	6.2	6.2	4	5.6	14.0
1.0 < X ≤1.5							27	41.5	47.7	27	38.1	52.1
1.5 < X ≤2.0							23	35.4	83.1	23	32.4	84.5
2.0 < X ≤2.5							7	10.8	93.9	7	9.9	94.4
2.5 < X ≤3.0							3	4.6	98.5	3	4.2	98.6
3.0 < X ≤3.5							1	1.5	100.0	1	1.4	100.0
3.5 < X ≤4.0							65	100.0		71	100.0	
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤5.5												
5.5 < X ≤6.0												
X >6.0												

Table 9. SITE 7 (North Carolina, April 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm)

	Length Strata (mm fork length)											
	1 300 or less			2 301-500			3 501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	5	83.3	83.3	6	100.0	100.0	0	0.0	0.0	11	14.3	14.3
T < X ≤0.5	0	0.0	83.3	6	100.0		0	0.0	0.0	0	0.0	14.3
0.5 < X ≤1.0	1	16.7	100.0				0	0.0	0.0	1	1.3	15.6
1.0 < X ≤1.5	6	100.0					19	29.2	29.2	19	24.6	40.2
1.5 < X ≤2.0							31	47.7	76.9	31	40.3	80.5
2.0 < X ≤2.5							10	15.4	92.3	10	13.0	93.5
2.5 < X ≤3.0							4	6.2	98.5	4	5.2	98.7
3.0 < X ≤3.5							1	1.5	100.0	1	1.3	100.0
3.5 < X ≤4.0							65	100.0		77	100.0	
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤6.0												
X >6.0												

Table 10. SITE 8 (Maryland/Virgina, May 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

	Length Strata (mm fork length)											
	1			2			3					
	300 or less			301-500			501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0		No Samples		0	0.0	0.0
T	7	100.0	100.0	10	100.0	100.0				17	100.0	100.0
T < X ≤0.5	7	100.0		10	100.0					17	100.0	
0.5 < X ≤1.0												
1.0 < X ≤1.5												
1.5 < X ≤2.0												
2.0 < X ≤2.5												
2.5 < X ≤3.0												
3.0 < X ≤3.5												
3.5 < X ≤4.0												
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤6.0												
X >6.0												

Table 11. SITE 9 (New York Bight, May-June 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

	Length Strata (mm fork length)											
	1 300 or less			2 301-500			3 501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	5	83.3	83.3	4	66.7	66.7	1	1.5	1.5	10	13.0	13.0
T < X ≤0.5	1	16.7	100.0	0	0.0	66.7	2	3.1	4.6	3	3.9	16.9
0.5 < X ≤1.0	6	100.0		2	33.3	100.0	32	49.2	53.8	34	44.2	61.1
1.0 < X ≤1.5				6	100.0		22	33.9	87.7	22	28.5	89.6
1.5 < X ≤2.0						5	7.7	95.4	5	6.5	96.1	
2.0 < X ≤2.5						2	3.1	98.5	2	2.6	98.7	
2.5 < X ≤3.0						1	1.5	100.0	1	1.3	100.0	
3.0 < X ≤3.5						65	100.0		77	100.0		
3.5 < X ≤4.0												
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤5.5												
5.5 < X ≤6.0												
X >6.0												

Table 12. SITE 10 (New England, June 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

PCB Level	Length Strata (mm fork length)									All Strata Combined		
	1 300 or less			2 301-500			3 501 or more					
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	1	100.0	100.0	5	83.3	83.3	0	0.0	0.0	6	8.3	8.3
T < X ≤0.5	1	100.0		0	0.0	83.3	0	0.0	0.0	0	0.0	8.3
0.5 < X ≤1.0				1	16.7	100.0	24	36.9	36.9	25	34.7	43.0
1.0 < X ≤1.5				6	100.0		25	38.5	75.4	25	34.7	77.7
1.5 < X ≤2.0						13	20.0	95.4	13	18.1	95.8	
2.0 < X ≤2.5						2	3.1	98.5	2	2.8	98.6	
2.5 < X ≤3.0						1	1.5	100.0	1	1.4	100.0	
3.0 < X ≤3.5						65	100.0		72	100.0		
3.5 < X ≤4.0												
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤5.5												
5.5 < X ≤6.0												
X >6.0												

Table 13. SITE 11 (New York Bight, August 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

PCB Level	Length Strata (mm fork length) 1 300 or less No. of Samples	Percent	Cum. Percent	2 301-500 No. of Samples	Percent	Cum. Percent	3 501 or more No. of Samples	Percent	Cum. Percent	All Strata Combined No. of Samples	Percent	Cum. Percent
ND		No Samples		0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T				5	83.3	83.3	9	13.9	13.9	14	19.7	19.7
T < X ≤0.5				0	0.0	83.3	0	0.0	13.9	0	0.0	19.7
0.5 < X ≤1.0				1	16.7	100.0	31	47.7	61.6	32	45.1	64.8
1.0 < X ≤1.5				6	100.0		18	27.7	89.3	18	25.4	90.2
1.5 < X ≤2.0							4	6.2	95.5	4	5.6	95.8
2.0 < X ≤2.5							1	1.5	97.0	1	1.4	97.2
2.5 < X ≤3.0							1	1.5	98.5	1	1.4	98.6
3.0 < X ≤3.5							0	0.0	98.5	0	0.0	98.6
3.5 < X ≤4.0							0	0.0	98.5	0	0.0	98.6
4.0 < X ≤4.5							0	0.0	98.5	0	0.0	98.6
4.5 < X ≤5.0							0	0.0	98.5	0	0.0	98.6
5.0 < X ≤5.5							0	0.0	98.5	0	0.0	98.6
5.5 < X ≤6.0							0	0.0	98.5	0	0.0	98.6
X >6.0							1	1.5	100.0	1	1.4	100.0
							65	100.0		71	100.0	

Table 14. SITE 12 (New England, August 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

	Length Strata (mm fork length)											
	1 300 or less			2 301-500			3 501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND		No Samples		0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T				4	66.6	66.6	0	0.0	0.0	4	5.6	5.6
T < X ≤0.5				1	16.7	83.3	0	0.0	0.0	1	1.4	7.0
0.5 < X ≤1.0				1	16.7	100.0	7	10.8	10.8	8	11.3	18.3
1.0 < X ≤1.5				6	100.0		31	47.8	58.6	31	43.7	62.0
1.5 < X ≤2.0							9	13.9	72.5	9	12.7	74.7
2.0 < X ≤2.5							0	0.0	72.5	0	0.0	74.7
2.5 < X ≤3.0							1	1.5	74.0	1	1.4	76.1
3.0 < X ≤3.5							0	0.0	74.0	0	0.0	76.1
3.5 < X ≤4.0							1	1.5	75.5	1	1.4	77.5
4.0 < X ≤4.5							1	1.5	77.0	1	1.4	78.9
4.5 < X ≤5.0							1	1.5	78.5	1	1.4	80.3
5.0 < X ≤5.5							0	0.0	78.5	0	0.0	80.3
5.5 < X ≤6.0							0	0.0	78.5	0	0.0	80.3
X >6.0							14	21.5	100.0	14	19.7	100.0
							65	100.0		71	100.0	

Table 15. SITE 3 (Maryland/Virginia, September-October 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm)

	Length Strata (mm fork length)											
	1			2			3					
	300 or less			301-500			501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	16.7	16.7	0	0.0	0.0		No Samples		1	8.3	8.3
T	5	83.3	100.0	6	100.0	100.0				11	91.7	100.0
T < X ≤0.5	6	100.0		6	100.0					12	100.0	
0.5 < X ≤1.0												
1.0 < X ≤1.5												
1.5 < X ≤2.0												
2.0 < X ≤2.5												
2.5 < X ≤3.0												
3.0 < X ≤3.5												
3.5 < X ≤4.0												
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤5.5												
5.5 < X ≤6.0												
X >6.0												

Table 16. SITE 1 (New England, October 1985) frequency distribution, on a per length stratum basis, of PCB levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

PCB Level	Length Strata (mm fork length) 1 300 or less No. of Samples	Percent	Cum. Percent	2 301-500 No. of Samples	Percent	Cum. Percent	3 501 or more No. of Samples	Percent	Cum. Percent	All Strata Combined No. of Samples	Percent	Cum. Percent
ND		No Samples		0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T				0	0.0	0.0	5	7.7	7.7	5	7.2	7.2
T < X ≤0.5				0	0.0	0.0	0	0.0	7.7	0	0.0	7.2
0.5 < X ≤1.0				3	75.0	75.0	26	40.0	47.7	29	42.0	49.2
1.0 < X ≤1.5				1	25.5	100.0	25	38.5	86.2	26	37.8	87.0
1.5 < X ≤2.0							7	10.8	97.0	7	10.1	97.1
2.0 < X ≤2.5							2	3.0	100.0	2	2.9	100.0
2.5 < X ≤3.0												
3.0 < X ≤3.5												
3.5 < X ≤4.0												
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤5.5												
5.5 < X ≤6.0												
X >6.0												
				4	100.0		65	100.0		69	100.0	

Table 18. SITE 4 (North Carolina, January-February 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	2	2.6	2.6	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	74	96.1	98.7	73	94.8	94.8	74	96.1	96.1	17	22.1	22.1	54	70.1	70.1
T < X ≤0.1	1	1.3	100.0	4	5.2	100.0	3	3.9	100.0	44	57.1	79.2	23	29.9	100.0
0.1 < X ≤0.2										16	20.8	100.0			
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	77	100.0		77	100.0		77	100.0		77	100.0		77	100.0	
Mean	T*			T			T			0.062			0.016		
Median	T			T			T			0.050			T		
90th Percentile	T			T			T			0.130			0.032		
Minimum	ND			T			T			T			T		
Maximum	0.020			0.010			0.020			0.160			0.080		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	16	20.8	20.8	8	10.4	10.4	7	9.1	9.1	14	18.2	18.2	7	9.1	9.1
T < X ≤0.1	60	77.9	98.7	69	89.6	100.0	44	57.1	66.2	63	81.8	100.0	26	33.8	42.9
0.1 < X ≤0.2	1	1.3	100.0				25	32.5	98.7				17	22.1	65.0
0.2 < X ≤0.3							1	1.3	100.0				21	27.2	92.2
0.3 < X ≤0.4													5	6.5	98.7
0.4 < X ≤0.5													1	1.3	100.0
0.5 < X ≤0.6															
X >0.6															
	77	100.0		77	100.0		77	100.0		77	100.0		77	100.0	
Mean	0.030			0.046			0.093			0.057			0.155		
Median	0.030			0.040			0.090			0.060			0.110		
90th Percentile	0.050			0.080			0.150			0.080			0.280		
Minimum	T			T			T			T			T		
Maximum	0.160			0.090			0.210			0.100			0.460		

Table 19. SITE 6 (North Carolina, March 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	4	5.6	5.6	2	2.8	2.8	3	4.2	4.2	1	1.4	1.4	1	1.4	1.4
T	67	94.4	100.0	69	97.2	100.0	65	91.6	95.8	5	7.0	8.4	61	85.9	87.3
T < X ≤0.1							3	4.2	100.0	54	76.1	84.5	9	12.7	100.0
0.1 < X ≤0.2										11	15.5	100.0			
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	71	100.0		71	100.0		71	100.0		71	100.0		71	100.0	
Mean	T*			T*			T			0.067			0.011		
Median	T			T			T			0.060			T		
90th Percentile	T			T			T			0.148			0.020		
Minimum	ND			ND			ND			ND			ND		
Maximum	T			T			0.040			0.190			0.030		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	1.4	1.4	0	0.0	0.0	1	1.4	1.4	6	8.5	8.5	0	0.0	0.0
T	26	36.6	38.0	9	12.7	12.7	6	7.0	8.4	10	14.1	22.6	5	7.0	7.0
T < X ≤0.1	44	62.0	100.0	61	85.9	98.6	49	69.0	77.4	52	73.2	95.8	32	45.2	52.2
0.1 < X ≤0.2				1	1.4	100.0	16	22.6	100.0	3	4.2	100.0	27	38.0	90.2
0.2 < X ≤0.3													4	5.6	95.8
0.3 < X ≤0.4													3	4.2	100.0
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	71	100.0		71	100.0		71	100.0		71	100.0		71	100.0	
Mean	0.021			0.040			0.080			0.050			0.116		
Median	0.020			0.040			0.080			0.050			0.100		
90th Percentile	0.030			0.068			0.120			0.080			0.224		
Minimum	ND			T			ND			ND			T		
Maximum	0.060			0.130			0.200			0.120			0.340		

Table 20. **SITE 7 (North Carolina, April 1985)** frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

Pesticide Level	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	7	9.1	9.1	9	11.7	11.7	4	5.2	5.2	0	0.0	0.0	4	5.2	5.2
T	70	90.9	100.0	68	88.3	100.0	72	93.5	98.7	12	15.6	15.6	66	85.7	90.9
T < X ≤0.1	77	100.0		77	100.0		1	1.3	100.0	55	71.4	87.0	7	9.1	100.0
0.1 < X ≤0.2							77	100.0		10	13.0	100.0	77	100.0	
0.2 < X ≤0.3										77	100.0				
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
Mean	T*			T*			T*			0.065			T		
Median	T			T			T			0.060			T		
90th Percentile	T			T			T			0.122			0.012		
Minimum	ND			ND			ND			T			ND		
Maximum	T			T			0.020			0.170			0.020		

Pesticide Level	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	11	14.3	14.3	0	0.0	0.0
T	53	68.8	68.8	25	32.5	32.5	14	18.2	18.2	36	46.7	61.0	9	11.7	11.7
T < X ≤0.1	24	31.2	100.0	52	67.5	100.0	59	76.6	94.8	29	37.7	98.7	29	37.7	49.4
0.1 < X ≤0.2	77	100.0		77	100.0		4	5.2	100.0	1	1.3	100.0	30	38.9	88.3
0.2 < X ≤0.3							77	100.0		77	100.0		8	10.4	98.7
0.3 < X ≤0.4													1	1.3	100.0
0.4 < X ≤0.5													77	100.0	
0.5 < X ≤0.6															
X >0.6															
Mean	0.014			0.027			0.065			0.036			0.111		
Median	T			0.030			0.070			T			0.110		
90th Percentile	0.022			0.050			0.100			0.060			0.220		
Minimum	T			T			T			ND			T		
Maximum	0.050			0.070			0.140			0.110			0.340		

Table 21. SITE 8 (Maryland/Virginia, May 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	16	94.1	94.1	11	64.7	64.7	5	29.4	29.4	0	0.0	0.0	15	88.2	88.2
T	1	5.9	100.0	6	35.3	100.0	12	70.6	100.0	17	100.0	100.0	2	11.8	100.0
	17	100.0		17	100.0		17	100.0		17	100.0		17	100.0	
T < X ≤0.1															
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
Mean	T*			T*			T*			T			T*		
Median	ND			ND			T			T			ND		
90th Percentile	ND			T			T			T			T		
Minimum	ND			ND			ND			T			ND		
Maximum	T			T			T			T			T		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	4	23.5	23.5	0	0.0	0.0	0	0.0	0.0	17	100.0	100.0	0	0.0	0.0
T	13	76.5	100.0	17	100.0	100.0	17	100.0	100.0	17	100.0		17	100.0	100.0
	17	100.0		17	100.0		17	100.0					17	100.0	
T < X ≤0.1															
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
Mean	T*			T			T			ND			T		
Median	T			T			T			ND			T		
90th Percentile	T			T			T			ND			T		
Minimum	ND			T			T			ND			T		
Maximum	T			T			T			ND			T		

Table 22. SITE 9 (New York Bight, May-June 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			a-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	1.3	1.3	1	1.3	1.3	1	1.3	1.3	0	0.0	0.0	0	0.0	0.0
T	76	98.7	100.0	76	98.7	100.0	76	98.7	100.0	11	14.3	14.3	77	100.0	100.0
T < X ≤0.1										65	84.4	98.7			
0.1 < X ≤0.2										1	1.3	100.0			
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	77	100.0		77	100.0		77	100.0		77	100.0		77	100.0	
Mean	T*			T*			T*			0.033			T		
Median	T			T			T			0.030			T		
90th Percentile	T			T			T			0.052			T		
Minimum	ND			ND			ND			T			T		
Maximum	T			T			T			0.120			T		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	6	7.8	7.8	0	0.0	0.0
T	76	98.7	98.7	58	75.3	75.3	28	36.4	36.4	71	92.2	100.0	1	1.3	1.3
T < X ≤0.1	1	1.3	100.0	19	24.7	100.0	48	62.3	98.7				70	90.9	92.2
0.1 < X ≤0.2							1	1.3	100.0				4	5.2	97.4
0.2 < X ≤0.3													2	2.6	100.0
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	77	100.0		77	100.0		77	100.0		77	100.0		77	100.0	
Mean	T			0.014			0.035			T*			0.065		
Median	T			T			0.030			T			0.060		
90th Percentile	T			0.030			0.060			T			0.100		
Minimum	T			T			T			ND			T		
Maximum	0.030			0.070			0.120			T			0.290		

Table 23. SITE 10 (New England, June 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	10	13.9	13.9	28	38.9	38.9	1	1.4	1.4	0	0.0	0.0	3	4.2	4.2
T	62	86.1	100.0	44	61.1	100.0	71	98.6	100.0	6	8.3	8.3	69	95.8	100.0
T < X ≤0.1										66	91.7	100.0			
	72	100.0		72	100.0		72	100.0		72	100.0		72	100.0	
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
Mean	T*			T*			T*			0.040			T*		
Median	T			T			T			0.040			T		
90th Percentile	T			T			T			0.060			T		
Minimum	ND			ND			ND			T			ND		
Maximum	T			T			T			0.100			T		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	11	15.3	15.3	0	0.0	0.0
T	72	100.0	100.0	42	58.3	58.3	36	50.0	50.0	60	83.3	98.6	1	1.4	1.4
T < X ≤0.1				30	41.7	100.0	36	50.0	100.0	1	1.4	100.0	57	79.2	80.6
0.1 < X ≤0.2													14	19.4	100.0
	72	100.0		72	100.0		72	100.0		72	100.0		72	100.0	
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
Mean	T			0.016			0.032			T*			0.078		
Median	T			T			0.025			T			0.070		
90th Percentile	T			0.027			0.050			T			0.130		
Minimum	T			T			T			ND			T		
Maximum	T			0.030			0.060			0.040			0.200		

Table 24. SITE 11 (New York Bight, August 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	39	54.9	54.9	33	46.5	46.5	8	11.3	11.3	0	0.0	0.0	5	7.0	7.0
T	32	45.1	100.0	38	53.5	100.0	62	87.3	98.6	22	31.0	31.0	66	93.0	100.0
T < X ≤0.1							1	1.4	100.0	49	69.0	100.0			
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	71	100.0		71	100.0		71	100.0		71	100.0		71	100.0	
Mean	T*			T*			T*			0.029			T*		
Median	ND			T			T			0.030			T		
90th Percentile	T			T			T			0.050			T		
Minimum	ND			ND			ND			T			ND		
Maximum	T			T			0.020			0.090			T		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	2	2.8	2.8	1	1.4	1.4	0	0.0	0.0	23	32.4	32.4	0	0.0	0.0
T	66	93.0	95.8	44	62.0	63.4	42	59.2	59.2	48	67.6	100.0	5	7.0	7.0
T < X ≤0.1	3	4.2	100.0	26	36.6	100.0	28	39.4	98.6				62	87.3	94.3
0.1 < X ≤0.2							1	1.4	100.0				4	5.7	100.0
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	71	100.0		71	100.0		71	100.0		71	100.0		71	100.0	
Mean	T			0.019			0.034			T*			0.058		
Median	T			T			T			T			0.050		
90th Percentile	T			0.040			0.060			T			0.090		
Minimum	ND			ND			T			ND			T		
Maximum	0.030			0.070			0.120			T			0.180		

Table 25. SITE 12 (New England, August 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

Pesticide Level	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	19	26.8	26.8	6	8.5	8.5	2	2.8	2.8	0	0.0	0.0	4	5.6	5.6
T	51	71.8	98.6	51	71.8	80.3	69	97.2	100.0	19	26.8	26.8	65	91.6	97.2
T < X ≤0.1	1	1.4	100.0	14	19.7	100.0				52	73.2	100.0	2	2.8	100.0
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	71	100.0		71	100.0		71	100.0		71	100.0		71	100.0	
Mean	T*			T			T*			0.045			T*		
Median	T			T			T			0.050			T		
90th Percentile	T			0.010			T			0.078			T		
Minimum	ND			ND			ND			T			ND		
Maximum	0.020			0.020			T			0.090			0.050		

Pesticide Level	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	1.4	1.4	0	0.0	0.0	0	0.0	0.0	5	7.0	7.0	1	1.4	1.4
T	59	83.1	84.5	10	14.1	14.1	9	12.7	12.7	57	80.3	87.3	2	2.8	4.2
T < X ≤0.1	11	15.5	100.0	61	85.9	100.0	59	83.1	95.8	9	12.7	100.0	39	55.0	59.2
0.1 < X ≤0.2							3	4.2	100.0				17	24.0	83.2
0.2 < X ≤0.3													4	5.6	88.8
0.3 < X ≤0.4													4	5.6	94.4
0.4 < X ≤0.5													1	1.4	95.8
0.5 < X ≤0.6													1	1.4	97.2
X >0.6													2	2.8	100.0
	71	100.0		71	100.0		71	100.0		71	100.0		71	100.0	
Mean	0.013			0.031			0.050			0.031			0.139		
Median	T			0.030			0.050			T			0.100		
90th Percentile	0.020			0.040			0.078			0.048			0.328		
Minimum	ND			T			T			ND			ND		
Maximum	0.060			0.080			0.120			0.100			0.610		

Table 26. SITE 3 (Maryland/Virginia, September-October 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	12	100.0	100.0	5	41.7	41.7	3	25.0	25.0	2	16.7	16.7	5	41.7	41.7
T	12	100.0		7	58.3	100.0	9	75.0	100.0	10	83.3	100.0	7	58.3	100.0
T < X ≤0.1				12	100.0		12	100.0		12	100.0		12	100.0	
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
Mean	ND			T*			T*			T*			T*		
Median	ND			T			T			T			T		
90th Percentile	ND			T			T			T			T		
Minimum	ND			ND			ND			ND			ND		
Maximum	ND			T			T			T			T		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	8.3	8.3	0	0.0	0.0	0	0.0	0.0	11	91.7	91.7	0	0.0	0.0
T	11	91.7	100.0	12	100.0	100.0	12	100.0	100.0	1	8.3	100.0	12	100.0	100.0
T < X ≤0.1	12	100.0		12	100.0		12	100.0		12	100.0		12	100.0	
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
Mean	T*			T			T			T*			T		
Median	T			T			T			ND			T		
90th Percentile	T			T			T			ND			T		
Minimum	ND			T			T			ND			T		
Maximum	T			T			T			T			T		

Table 27. SITE 1 (New England, October 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	16	23.2	23.2	0	0.0	0.0	1	1.4	1.4	0	0.0	0.0	3	4.3	4.3
T	53	76.8	100.0	62	75.4	75.4	68	98.6	100.0	12	17.4	17.4	66	95.7	100.0
T < X ≤0.1				17	24.6	100.0				57	82.6	100.0			
0.1 < X ≤0.2															
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	69	100.0		69	100.0		69	100.0		69	100.0		69	100.0	
Mean	T*			0.009			T*			0.040			T*		
Median	T			T			T			0.040			T		
90th Percentile	T			0.020			T			0.070			T		
Minimum	ND			T			ND			T			ND		
Maximum	T			0.020			T			0.100			T		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	5	7.2	7.2	0	0.0	0.0
T	9	13.0	13.0	25	36.2	36.2	9	13.0	13.0	58	84.1	91.3	0	0.0	0.0
T < X ≤0.1	60	87.0	100.0	44	63.8	100.0	60	87.0	100.0	6	8.7	100.0	56	81.2	81.2
0.1 < X ≤0.2													13	18.8	100.0
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	69	100.0		69	100.0		69	100.0		69	100.0		69	100.0	
Mean	0.027			0.024			0.080			T			0.076		
Median	0.030			0.020			0.090			T			0.070		
90th Percentile	0.030			0.040			0.090			T			0.120		
Minimum	T			T			T			ND			0.020		
Maximum	0.030			0.070			0.090			0.090			0.170		

Table 28. SITE 2 (New York Bight, October-November 1985) frequency distributions of organohalogen pesticide levels in five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Pesticide levels (X) in parts-per-million, ND = non detectable, T = trace, and T* = mean value between non detectable (ND) and trace (T).

	Organohalogen Pesticide (Trace Level)														
	HCB (0.007)			α-BHC (0.007)			Dieldrin (0.01)			trans-Nonachlor (0.01)			Octachlor Epoxide (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	10	13.2	13.2	8	10.5	10.5	6	7.9	7.9	0	0.0	0.0	9	11.8	11.8
T	66	86.8	100.0	65	85.6	96.1	54	71.1	79.0	14	18.4	18.4	57	75.0	86.8
T < X ≤0.1				3	3.9	100.0	16	21.0	100.0	50	65.8	84.2	10	13.2	100.0
0.1 < X ≤0.2										12	15.8	100.0			
0.2 < X ≤0.3															
0.3 < X ≤0.4															
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	76	100.0		76	100.0		76	100.0		76	100.0		76	100.0	
Mean	T*			T*			0.013			0.061			0.011		
Median	T			T			T			0.060			T		
90th Percentile	T			T			0.030			0.110			0.020		
Minimum	ND			ND			ND			T			ND		
Maximum	T			0.020			0.030			0.170			0.030		

	trans-Chlordane (0.01)			cis-Chlordane (0.01)			p,p'-TDE (0.02)			p,p'-DDT (0.03)			p,p'-DDE (0.01)		
Pesticide Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	15	19.7	19.7	0	0.0	0.0
T	28	36.8	36.8	23	30.3	30.3	10	13.2	13.2	61	80.3	100.0	10	13.2	13.2
T < X ≤0.1	48	63.2	100.0	49	64.5	94.8	51	67.1	80.3				20	26.3	39.5
0.1 < X ≤0.2				4	5.2	100.0	15	19.7	100.0				37	48.7	88.2
0.2 < X ≤0.3													8	10.5	98.7
0.3 < X ≤0.4													1	1.3	100.0
0.4 < X ≤0.5															
0.5 < X ≤0.6															
X >0.6															
	76	100.0		76	100.0		76	100.0		76	100.0		76	100.0	
Mean	0.027			0.041			0.080			T*			0.124		
Median	0.030			0.030			0.080			T			0.120		
90th Percentile	0.050			0.090			0.133			T			0.223		
Minimum	T			T			T			ND			T		
Maximum	0.070			0.120			0.190			T			0.310		

Table 29. Descriptive results, on a per site basis, of PCB levels in individual fish samples collected during the 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters fork length, weights in grams, lipid content in percent, PCB levels in parts-per-million (ppm), T = Trace (0.20 ppm), ND = non detectable, T* = mean value between non detectable (ND) and trace (T), and a double dash (--) = no data.

Site Code	Geographic Area (Date)	Length Strata	Number of Samples	Mean Fork Length (Min/Max)	Mean Weight (Min/Max)	Mean Lipid Content	No. and (%) of Samples ≥Trace	PCB Level (ppm)				
								Mean	Median	90th Percentile	Min	Max
4	North Carolina (Jan/Feb 85)	300 or less	14	288 (278/299)	341 (274/408)	2.3	13 (92.9)	0.29	T	0.74	ND	0.95
		301-500	30	343 (301/399)	591 (374/932)	3.2	27 (90.0)	0.40	T	1.14	ND	1.20
		501 or more	55	727 (667/825)	5080 (3860/7120)	15.1	55 (100.0)	1.76	1.43	2.99	0.71	4.53
		Combined	99	549 (278/825)	3049 (274/7120)	9.7	95 (96.0)	1.14	1.10	2.31	ND	4.53
9	New York Bight (May/June 85)	300 or less	15	275 (252/296)	291 (206/364)	1.5	12 (80.0)	T*	T	0.37	ND	0.63
		301-500	30	383 (301/478)	811 (364/1396)	1.7	29 (96.7)	0.40	T	0.70	ND	1.07
		501 or more	58	633 (539/821)	3033 (2028/6198)	4.6	57 (98.3)	1.33	0.76	2.00	ND	23.02
		Combined	103	508 (252/821)	1987 (206/6198)	3.3	98 (95.1)	0.89	0.58	1.45	ND	23.02
	*Deleting the 23.02 ppm PCR Sample	501 or more*	57	632 (539/821)	3025 (2028/6198)	4.6	56 (98.2)	0.95	0.76	1.93	ND	4.38
		Combined*	102	506 (252/821)	1972 (206/6198)	3.3	97 (95.1)	0.68	0.58	1.39	ND	4.38

Table 29. continued.

Site Code	Geographic Area (Date)	Length Strata	Number of Samples	Mean Fork Length (Min/Max)	Mean Weight (Min/Max)	Mean Lipid Content	No. and (%) of Samples ≥Trace	PCB Level (ppm)				
								Mean	Median	90th Percentile	Min	Max
10	New England (June 85)	300 or less	9	290 (268/299)	363 (290/408)	1.9	9 (100.0)	0.29	T	0.62	T	0.65
		301-500	37	391 (301/490)	904 (390/1660)	2.8	37 (100.0)	0.38	T	0.80	T	1.20
		501 or more	54	677 (501/794)	3585 (1560/5794)	3.4	54 (100.0)	1.04	0.94	1.59	T	3.48
		Combined	100	536 (268/794)	2303 (290/5794)	3.0	100 (100.0)	0.73	0.62	1.44	T	3.48
1	New England (Oct 85)	300 or less	15	215 (203/241)	139 (110/206)	4.9	15 (100.0)	0.35	T	1.04	T	1.17
		301-500	21	487 (418/500)	1550 (990/1934)	4.4	21 (100.0)	0.56	0.56	1.13	T	1.25
		501 or more	64	662 (501/809)	3855 (1622/7078)	10.6	64 (100.0)	1.20	1.10	1.96	T	3.21
		Combined	100	558 (203/809)	2814 (110/7078)	8.4	100 (100.0)	0.94	0.92	1.75	T	3.21
2	New York Bight (Oct/Nov 85)	300 or less	15	253 (234/276)	236 (162/316)	2.5	14 (93.3)	0.24	T	0.55	ND	0.62
		301-500	30	335 (303/373)	527 (374/764)	2.6	30 (100.0)	0.21	T	T	T	0.61
		501 or more	56	704 (510/867)	4627 (1546/7697)	11.4	56 (100.0)	1.76	1.46	3.23	T	5.81
		Combined	101	528 (234/867)	2757 (162/7697)	7.5	100 (99.0)	1.07	0.69	2.67	ND	5.81

Table 30. Frequency distribution, on a per site basis, of PCB levels in individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. PCR levels (X) in parts-per-million (ppm), T = trace (0.20 ppm), and ND = non detectable.

PCB Level	Site Code, Geographic Area, Date of Collection								
	4 North Carolina Jan/Feb 85			9 New York Bight May/June 85			10 New England June 85		
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	4	4.0	4.0	5	4.8	4.8	0	0.0	0.0
T	26	26.3	30.3	38	36.9	41.7	33	33.0	33.0
T < X ≤0.5	0	0.0	30.3	0	0.0	41.7	1	1.0	34.0
0.5 < X ≤1.0	17	17.2	47.5	37	35.9	77.6	39	39.0	73.0
1.0 < X ≤1.5	26	26.3	73.8	14	13.6	91.2	20	20.0	93.0
1.5 < X ≤2.0	9	9.1	82.9	4	3.9	95.1	4	4.0	97.0
2.0 < X ≤2.5	8	8.1	91.0	2	1.9	97.0	0	0.0	97.0
2.5 < X ≤3.0	4	4.0	95.0	0	0.0	97.0	2	2.0	99.0
3.0 < X ≤3.5	1	1.0	96.0	1	1.0	98.0	1	1.0	100.0
3.5 < X ≤4.0	3	3.0	99.0	0	0.0	98.0	100	100.0	
4.0 < X ≤4.5	0	0.0	99.0	1	1.0	99.0			
4.5 < X ≤5.0	1	1.0	100.0	0	0.0	99.0			
5.0 < X ≤5.5	99	100.0		0	0.0	99.0			
5.5 < X ≤6.0				0	0.0	99.0			
X >6.0				1	1.0	100.0			
				103	100.0				

Table 30. continued.

	Site Code, Geographic Area, Date of Collection					
	1 New England Oct 85			2 New York Bight Oct/Nov 85		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	1	1.0	1.0
T	21	21.0	21.0	44	43.5	44.5
T < X ≤0.5	0	0.0	21.0	0	0.0	44.5
0.5 < X ≤1.0	36	36.0	57.0	16	15.8	60.3
1.0 < X ≤1.5	29	29.0	86.0	12	11.9	72.2
1.5 < X ≤2.0	8	8.0	94.0	10	9.9	82.1
2.0 < X ≤2.5	5	5.0	99.0	8	7.9	90.0
2.5 < X ≤3.0	0	0.0	99.0	3	3.0	93.0
3.0 < X ≤3.5	1	1.0	100.0	2	2.0	95.0
3.5 < X ≤4.0	100	100.0		2	2.0	97.0
4.0 < X ≤4.5				0	0.0	97.0
4.5 < X ≤5.0				2	2.0	99.0
5.0 < X ≤5.5				0	0.0	99.0
5.5 < X ≤6.0				1	1.0	100.0
X >6.0				101	100.0	

Table 31. SITE 4 (North Carolina, January-February 1985) frequency distribution, on a per length stratum basis, of PCB levels in individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

	Length Strata (mm fork length)											
	1			2			3					
	300 or less			301-500			501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	7.1	7.1	3	10.0	10.0	0	0.0	0.0	4	4.0	4.0
T	10	71.5	78.6	16	53.3	63.3	0	0.0	0.0	26	26.3	30.3
T < X ≤0.5	0	0.0	78.6	0	0.0	63.3	0	0.0	0.0	0	0.0	30.3
0.5 < X ≤1.0	3	21.4	100.0	8	26.7	90.0	6	10.9	10.9	17	17.2	47.5
1.0 < X ≤1.5	14	100.0		3	10.0	100.0	23	41.8	52.7	26	26.3	73.8
1.5 < X ≤2.0				30	100.0		9	16.4	69.1	9	9.1	82.9
2.0 < X ≤2.5							8	14.5	83.6	8	8.1	91.0
2.5 < X ≤3.0							4	7.3	90.9	4	4.0	95.0
3.0 < X ≤3.5							1	1.8	92.7	1	1.0	96.0
3.5 < X ≤4.0							3	5.5	98.2	3	3.0	99.0
4.0 < X ≤4.5							0	0.0	98.2	0	0.0	99.0
4.5 < X ≤5.0							1	1.8	100.0	1	1.0	100.0
5.0 < X ≤5.5							55	100.0		99	100.0	
5.5 < X ≤6.0												
X >6.0												

Table 32. SITE 9 (New York Bight, May-June 1985) frequency distribution, on a per length stratum basis, of PCB levels in individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

	Length Strata (mm fork length)											
	1			2			3					
	300 or less			301-500			501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	3	20.0	20.0	1	3.3	3.3	1	1.7	1.7	5	4.8	4.8
T	11	73.3	93.3	16	53.4	56.7	11	19.0	20.7	38	36.9	41.7
T < X ≤0.5	0	0.0	93.3	0	0.0	56.7	0	0.0	20.7	0	0.0	41.7
0.5 < X ≤1.0	1	6.7	100.0	12	40.0	96.7	24	41.4	62.1	37	35.9	77.6
1.0 < X ≤1.5	15	100.0		1	3.3	100.0	13	22.5	84.6	14	13.6	91.2
1.5 < X ≤2.0				30	100.0		4	6.9	91.5	4	3.9	95.1
2.0 < X ≤2.5							2	3.4	94.9	2	1.9	97.0
2.5 < X ≤3.0							0	0.0	94.9	0	0.0	97.0
3.0 < X ≤3.5							1	1.7	96.6	1	1.0	98.0
3.5 < X ≤4.0							0	0.0	96.6	0	0.0	98.0
4.0 < X ≤4.5							1	1.7	98.3	1	1.0	99.0
4.5 < X ≤5.0							0	0.0	98.3	0	0.0	99.0
5.0 < X ≤5.5							0	0.0	98.3	0	0.0	99.0
5.5 < X ≤6.0							0	0.0	98.3	0	0.0	99.0
X >6.0							1	1.7	100.0	1	1.0	100.0
							58	100.0		103	100.0	

Table 33. SITE 10 (New England, June 1985) frequency distribution, on a per length stratum basis, of PCB levels in individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

PCB Level	Length Strata (mm fork length)									All Strata Combined		
	1 300 or less			2 301-500			3 501 or more					
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	7	77.8	77.8	23	62.2	62.2	3	5.6	5.6	33	33.0	33.0
T < X ≤0.5	0	0.0	77.8	1	2.7	64.9	0	0.0	5.6	1	1.0	34.0
0.5 < X ≤1.0	2	22.2	100.0	11	29.7	94.6	26	48.1	53.7	39	39.0	73.0
1.0 < X ≤1.5	9	100.0		2	5.4	100.0	18	33.3	87.0	20	20.0	93.0
1.5 < X ≤2.0				37	100.0		4	7.4	94.4	4	4.0	97.0
2.0 < X ≤2.5							0	0.0	94.4	0	0.0	97.0
2.5 < X ≤3.0							2	3.7	98.1	2	2.0	99.0
3.0 < X ≤3.5							1	1.9	100.0	1	1.0	100.0
3.5 < X ≤4.0							54	100.0		100	100.0	
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤5.5												
5.5 < X ≤6.0												
X >6.0												

Table 34. SITE 1 (New England, October 1985) frequency distribution, on a per length stratum basis, of PCB levels in individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

PCB Level	Length Strata (mm fork length)									All Strata Combined		
	1			2			3					
	300 or less			301-500			501 or more					
	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
T	12	80.0	80.0	8	38.1	38.1	1	1.6	1.6	21	21.0	21.0
T < X ≤0.5	0	0.0	80.0	0	0.0	38.1	0	0.0	1.6	0	0.0	21.0
0.5 < X ≤1.0	2	13.3	93.3	11	52.4	90.5	23	35.9	37.5	36	36.0	57.0
1.0 < X ≤1.5	1	6.7	100.0	2	9.5	100.0	26	40.6	78.1	29	29.0	86.0
1.5 < X ≤2.0	15	100.0		21	100.0		8	12.5	90.6	8	8.0	94.0
2.0 < X ≤2.5							5	7.8	98.4	5	5.0	99.0
2.5 < X ≤3.0							0	0.0	98.4	0	0.0	99.0
3.0 < X ≤3.5							1	1.6	100.0	1	1.0	100.0
3.5 < X ≤4.0							64	100.0		100	100.0	
4.0 < X ≤4.5												
4.5 < X ≤5.0												
5.0 < X ≤5.5												
5.5 < X ≤6.0												
X >6.0												

Table 35. SITE 2 (New York Bight, October-November 1985) frequency distribution, on a per length stratum basis, of PCB levels in individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters (mm) fork length, PCB levels (X) in parts-per-million (ppm), ND = non detectable, and T = trace (0.20 ppm).

	Length Strata (mm fork length)											
	1 300 or less			2 301-500			3 501 or more			All Strata Combined		
PCB Level	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent	No. of Samples	Percent	Cum. Percent
ND	1	6.7	6.7	0	0.0	0.0	0	0.0	0.0	1	1.0	1.0
T	12	80.0	86.7	29	96.7	96.7	3	5.4	5.4	44	43.5	44.5
T < X ≤0.5	0	0.0	86.7	0	0.0	96.7	0	0.0	5.4	0	0.0	44.5
0.5 < X ≤1.0	2	13.3	100.0	1	3.3	100.0	13	23.2	28.6	16	15.8	60.3
1.0 < X ≤1.5	15	100.0		30	100.0		12	21.4	50.0	12	11.9	72.2
1.5 < X ≤2.0							10	17.8	67.8	10	9.9	82.1
2.0 < X ≤2.5							8	14.2	82.0	8	7.9	90.0
2.5 < X ≤3.0							3	5.4	87.4	3	3.0	93.0
3.0 < X ≤3.5							2	3.6	91.0	2	2.0	95.0
3.5 < X ≤4.0							2	3.6	94.6	2	2.0	97.0
4.0 < X ≤4.5							0	0.0	94.6	0	0.0	97.0
4.5 < X ≤5.0							2	3.6	98.2	2	2.0	99.0
5.0 < X ≤5.5							0	0.0	98.2	0	0.0	99.0
5.5 < X ≤6.0							1	1.8	100.0	1	1.0	100.0
X >6.0							56	100.0		101	100.0	

Table 36. Descriptive results, on a per 25-fish composite sample basis, for young-of-the-year ("snappers") bluefish collected in the New York Bight during the 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Lengths in millimeters fork length, weights in grams, lipid content in percent, PCB levels in parts-per-million (ppm), T = trace (0.20 ppm), and L* = data lost in NOAA Sandy Hook fire.

Location Capture Code[1]	Capture Date mo/day/yr	Lipid Content	PCB Level	Mean Fork Length (min/max)	Mean Weight (min/max)
38	7/16/85	1.1	T	90.6 (71/120)	9.2 (4.4/23.2)
40	7/72/85	0.7	T	112.0 (98/138)	20.1 (12.6/36.1)
41	7/31/85	0.4	T	114.8 (94/156)	18.6 (9.3/48.8)
44	8/06/85	0.4	T	108.1 (84/136)	15.6 (6.9/32.2)
48	8/19/85	1.1	T	123.6 (105/156)	L*
51	8/22/85	0.8	T	132.6 (118/165)	L*
57	8/29/85	0.5	T	125.3 (113/144)	L*
60	9/04/85	0.9	T	125.7 (112/155)	L*
62	9/11/85	1.0	T	131.9[2] (113/146)	L*
63	9/18/85	1.3	0.54	151.9 (132/185)	L*
71	10/23/85	1.9	T	163.3 (137/183)	57.7 (32.7/81.7)

[1] See Appendix Table II for additional information.

[2] Based on 24 length measurements.

APPENDIX

APPENDIX TABLE I.

Method of chemical analysis for PCBs and organohalogen pesticides used in 1984-86 Federal Survey of Atlantic Coast Bluefish. PAM I = FDA's Pesticide Analytical Manual, Volume I (Food and Drug Administration, 1968 and subsequent revisions).

PROCEDURE (Appropriate PAM I Reference)/Description of Methodology

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SAMPLE PREPARATION (PAM I 141)

1. Remove scales from fish and fillet. Leave skin on fillet. For fish less than 3600 g (about 8 lb), take both fillets for homogenizing; for those greater than 3600 g, take 1 fillet for homogenizing.
2. Homogenize fillet(s) with skin on by passing through meat grinder 3 times.

EXTRACTION (PAM I 211. 13f (1))

1. Weigh 50.0 g homogenized fish sample into 1 quart blender jar.
2. Add 100 g anhydrous sodium sulfate (Na_2SO_4) to blender jar and mix thoroughly (at room temperature).
3. Add 150 ml petroleum ether to blender jar.
4. Blend at high speed for 2 minutes.
5. Use gentle suction to filter extract through 12 cm Buchner funnel fitted with 2 sheets of sharkskin filter paper into 500 ml flask.
6. Re-extract sample in blender with 125 ml petroleum ether. After blending 1 minute stop blender, scrape sample from sides of blender and break up caked material. (Note: material may cake underneath blender blades.) Blend for additional 1 minute.
7. Filter extract as directed in step 5.
8. Repeat steps 6 and 7.
9. Transfer entire sample from blender jar into Buchner funnel.
10. Rinse blender jar with three 25-50 ml portions of petroleum ether passing each rinse through Buchner funnel.
11. Immediately after last rinse use the bottom of a clean beaker to press petroleum ether from sample in Buchner funnel into suction flask.
12. Add 75 mm of anhydrous Na_2SO_4 to a 300 mm x 22 mm id chromatogrpahic column fitted with a coarse fitted glass disc or glass wool plug.

Appendix Table I. continued

PROCEDURE (Appropriate PAM I Reference)/Description of Methodology

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13. Place column over a 500 ml Kuderna-Danish (K-D) concentrator equipped with 10 ml or larger receiver (Mills) tube.

14. Quantitatively transfer petroleum ether extract through Na_2SO_4 column into K-D concentrator. Rinse flask and column with three 10 ml portions of petroleum ether.

15. Add 3-5 boiling chips to K-D, attach 3-ball Snyder column and immediately concentrate extract to about 10 ml.

16. Quantitatively transfer extract to 25 ml glass stoppered cylinder. Use small portions of petroleum ether as rinses for receiver (Mills) tube to effect quantitative transfer. Make to volume with petroleum ether.

17. Proceed to fat determination.

FAT DETERMINATION (PAM I 211.13f (1))

1. Pipet 8.0 ml (16 g) of extracted sample from 25 ml graduated cylinder into tared 25 ml beaker.

2. Place beaker on steambath and heat until odor of petroleum ether cannot be detected.

3. Remove beaker from steambath and place in 50°C oven (convection or forced draft) for 20 minutes.

4. Remove beaker from oven, cool in desiccator, and then weigh beaker + fat.

5. Determine % fat in sample.

Example:	weight of beaker + fat	23.4328 g
	weight of beaker	22.9701 g
	weight of fat	0.4627 g

% fat = (0.4627 g fat) (16 g sample) x 100% = 2.89%

6. Proceed to acetonitrile petroleum ether partitioning.

Appendix Table I. continued

PROCEDURE (Appropriate PAM I Reference)/Description of Methodology

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PETROLEUM ETHER-ACETONITRILE PARTITIONING (PAM I 211.14a)

1. Take (pipet) 15 ml or less from 25 ml graduated cylinder containing ca 17 ml fat extract solution for acetonitrile-petroleum ether partitioning; the volume taken for partitioning, however, must not exceed 3 g equivalent fat. Each ml of fat extract solution is equivalent to 2.0 g bluefish. Add petroleum ether as necessary so that total volume of fat and petroleum ether in separatory funnel is 15 ml.

2. Prepare acetonitrile saturated with petroleum ether by adding about 1500 ml acetonitrile to about 300 ml petroleum ether in 2 liter separatory funnel. Cap and shake separatory funnel being careful to vent fumes from separatory funnel by removing cap as quickly as possible after shaking. Slowly shake separatory funnel more vigorously each time being careful to vent the fumes after shaking. Finally shake vigorously. Saturated acetonitrile should be covered by a minimum of 1/4 inch petroleum ether. Add petroleum ether as necessary and repeat shaking until acetonitrile is saturated.

3. Add 30 ml acetonitrile saturated with petroleum ether to sample (fat plus petroleum ether) in 125 ml separatory funnel. Shake vigorously 1 minute, being careful about venting fumes. Let layers separate at least 5 minutes.

4. Drain acetonitrile into 1 liter separatory funnel containing 650 ml water, 100 ml petroleum ether, and 40 ml saturated sodium chloride solution. (Saturated sodium chloride solution is prepared by vigorously shaking water with sufficient sodium chloride so as to have excess sodium chloride which cannot dissolve in the water.)

5. Repeat steps 3 and 4 three times.

6. Hold 1 liter separatory funnel in horizontal position and mix thoroughly 45 seconds, being careful about venting fumes. Let layers separate at least 5 minutes and drain aqueous (bottom) layer into second 1 liter separatory funnel.

7. Add 100 ml petroleum ether to second 1 liter separatory funnel, mix vigorously 15 seconds (being careful about venting fumes), let layers separate at least 5 minutes. Discard aqueous layer, and combine petroleum ether with petroleum ether in original 1 liter separatory funnel.

8. Add 100 ml water to separatory funnel and swirl gently for 15 seconds, being careful to vent fumes. Allow layers to separate 2 minutes. Discard water.

Appendix Table I. continued.

PROCEDURE (Appropriate PAM I Reference)/Description of Methodology

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9. Repeat step 8.

10. Drain petroleum ether, through 50 mm column of anhydrous sodium sulfate in 22 mm id chromatographic column, into 500 ml K-D concentrator fitted with Mills tube. Rinse separatory funnel and then column with three 10 ml portions petroleum ether.

11. Add 3-5 boiling chips to K-D, attach 3-ball Snyder column and immediately concentrate on steambath to less than 10 ml.

12. Proceed to Florisil column chromotography.

FLORISIL COLUMN CHROMATOGRAPHY (PAM I 211.14d)

1. Prepare 22 mm id chromatographic column containing (weight supplied with Florisil by FDA Minneapolis District, 26 g for Lot 334) activated Florisil topped with 0.5 inches anhydrous sodium sulfate. Activation of Florisil is achieved by oven drying Florisil at 130°C for a minimum of 168 hours. Use Florisil immediately after removing from oven (be careful, hot) or store in desiccator before using.

2. Pre-wet Florisil column with 100 ml petroleum ether.

3. Just prior to transferring sample extract to Florisil column, place Kuderna-Danish concentrator fitted with Mills tube under column to receive eluate.

4. Quantitatively transfer petroleum ether solution of sample extract to column, letting it pass through at about 5 ml/minute. Do not allow Florisil column to go dry until all elutions are finished.

5. Rinse sample container with two 5 ml portions petroleum ether. Transfer rinsings to column. Rinse inside wall of chromatographic tube with 2 additional small portions petroleum ether.

6. Elute column at 5 ml/minute with 250 ml petroleum ether. This eluate will contain the PCBs.

7. Change receivers (K-D concentrator plus Mills tube) and elute with 200 ml 6% ethyl ether/petroleum ether.

8. Change receivers and elute with 200 ml 15% ethyl ether/petroleum ether.

PROCEDURE (Appropriate PAM I Reference)/Description of Methodology

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9. Place 3-5 boiling chips in each K-D concentrator. Place 3-ball Snyder column on top of each K-D concentrator and immediately concentrate each eluate to a suitable volume in steambath. Use micro Snyder column or micro Vigreaux column fitted over Mills tube for concentration to less than 5 ml.

10. Concentrate or dilute sample to definite volume.

11. Proceed to gas liquid chromatographic analysis.

GAS LIQUID CHROMATOGRAPHY (PAM I Chapter 3)

1. Determine the PCBs in petroleum ether eluate after appropriate concentration or dilution using gas liquid chromatography with electron capture detection. Use appropriate Aroclor or mixture of Aroclors reference standards which match as closely as possible the PCB residue.

2. Determine the organohalogen pesticides and any other identifiable chemical contaminants in the petroleum ether eluate and in the 6% and 15% ethyl ether-petroleum ether Florisil eluates after appropriate concentration or dilution using gas liquid chromatography with electron capture detection.

QUALITY ASSURANCE

1. Qualitatively and quantitatively confirm findings when appropriate, e.g., greater than 2 ppm PCBs in fish sample. Confirmation techniques include silicic acid separation (PAM I 251.1), mass spectrometry, an additional gas liquid chromatographic column using a liquid phase of another polarity, gas liquid chromatography using another detector, e.g., Hall detector. Perform repeat analyses when appropriate.

2. Analyze repetitively portions of Benchmark samples (specially prepared bluefish samples with incurred PCBs residues).

3. Analyze bluefish samples fortified with Aroclor(s) and pesticides being determined during survey to determine percent recovered.

4. Analyze appropriate method reagent blanks.

RESERVE SAMPLES

1. Store in freezer appropriate quantities of survey sample homogenates for repeat analyses and archiving.

Appendix Table I. continued

PROCEDURE (Appropriate PAM I Reference)/Description of Methodology
ANALYTICAL HINTS
1. Prepare acetonitrile saturated with petroleum ether the day before needed and allow to equilibrate overnight.
2. Florisil (26 g portions for Lot 344) may be preweighed and held indefinitely at 130°C. DO NOT store Florisil in oven in tightly sealed container.
3. To assure that required times are met for blending, shaking, mixing, etc., use a timer or a clock with sweep second hand.
4. Glass wool should not be used on the head of the GC column. See FDA Laboratory Information Bulletin 1694.
5. Addition of ca 1/4 inch anhydrous sodium sulfate at room temperature to Florisil column prior to addition of activated Florisil will help fine particles of Florisil from plugging glass frit in chromatographic column.

APPENDIX TABLE II.

Specific locations where bluefish were collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish, including capture and site codes, date of capture, and capture method (gear type).

Location Capture Code	Site Code	Capture Date (Mo/Day/Yr)	Capture Method	Location
1	4	01/08/85	Otter trawl	<3 miles offshore; between Oregon Inlet and Killdevil Hills, NC; 48-60' of water.
2	4	02/07/85	Drift gill net	7 miles east of Cape Hatteras, NC; 50' of water.
3	4	02/11/85	Drift gill net	7 miles east of Cape Hatteras, NC; 48' of water.
4	5	02/17/85	Stab gill net	1/4 mile offshore; St. Lucie River, Ft. Pearce, FL; 10' of water.
5	6	03/14/85	Stab gill net	<3 miles offshore; 15 miles south of Oregon Inlet, NC (Rodanthe).
6	6	03/26/85	Stab gill net	<3 miles off Cape Hatteras, NC; 30-40' of water.
7	6	03/28/85	Stab gill net	<3 miles off Cape Hatteras, NC; 30-40' of water.
8	7	04/01/85	Otter trawl	<3 miles off Cape Hatteras, NC; 30-40' of water.
9	7	04/01/85	Drift gill net	<1 mile off Cape Hatteras, NC; 30-40' of water.
10	7	04/07/85	Otter trawl	<2 miles off Oregon Inlet, NC; 60-70' of water.
11	7	04/19/85	Hook & line	10-12 miles offshore; southeast of Oregon Inlet, NC; 90' of water.
12	7	04/19/85	Drift gill net	<1 mile offshore; Pamlico Sound, NC; 10' of water.
13	9	05/10/85	Pound net	<1 mile offshore; Sandy Hook Bay, NJ; 10-20' of water.
14	9	05/16/85	Pound net	<1 mile offshore; Union Beach, NJ; 20-30' of water.

Appendix Table II. continued

Location Capture Code	Site Code	Capture Date (Mo/Day/Yr)	Capture Method	Location
15	9	05/23/85	Drift gill net	18 miles offshore; Barnegat Inlet, NJ; 70-80' of water.
16	9	05/28/85	Pound net	<1 mile offshore; Sandy Hook Bay, NJ; 18' of water.
17	9	06/01/85	Pound net	<1 mile offshore; Raritan Bay, NJ; 10-20' of water.
18	9	06/03/85	Pound net	<1 mile offshore; Raritan Bay, NJ; 10-20' of water.
19	9	06/02/85	Pair trawl	6 miles offshore; Cape May, NJ; 42' of water.
20	8	06/04/85	Drift gill net	1 mile offshore in the Narrows; Chincoteague Bay, Va.; 15' of water.
21	9	06/09/85	Stab gill net	10 miles east of Barnegat Light, NJ; 40' of water.
22	9	06/10/85	Pound net	<1 mile offshore; Raritan Bay, NJ; 15-20' of water.
23	9	06/11/85	Pound net	<1 mile offshore; Raritan Bay, NJ; 15-20' of water.
24	9	06/12/85	Pound net	<1 mile offshore; Raritan Bay, NJ; 15-20' of water.
25	10	06/14/85	Otter trawl	<1 mile offshore; Nantucket Sound, Martha's Vineyard, MA.
26	9	06/15/85	Pound net	<1 mile offshore; Raritan Bay, NJ; 15-20' of water.
27	9	06/17/85	Pound net	<1 mile offshore; Raritan Bay, NJ; 15-20' of water.
28	10	06/19/85	Pound net	1-2 miles offshore; Narragansett, RI; 60' of water.
29	10	06/19/85	Pound net	1-2 miles offshore; Narragansett, RI; 60' of water.
30	10	06/22/85	Pound net	1-3 miles offshore; Nantucket Sound, Chatham, MA; 30' of water.

Appendix Table II. continued

Location Capture Code	Site Code	Capture Date (Mo/Day/Yr)	Capture Method	Location
31	10	06/23/85	Pound net	1-3 miles offshore; Nantucket Sound, Chatham, MA; 30' of water.
32	10	06/24/85	Pound net	1-3 miles offshore; Nantucket Sound, Chatham, MA; 30' of water.
33	10	06/29/85	Pound net	1-3 miles offshore; Monomoy Island, Chatham, MA, 30' of water.
34	8	07/02/85	Pound net	<1 mile offshore; Gloucester Point, York River, VA; 10-20' of water.
35	10	07/06/85	Pound net	1 mile offshore; Monomoy Island; Chatham, MA; 20' of water.
36	10	07/07/85	Pound net	1 mile offshore; Monomoy Island, Chatham, MA; 20' of water.
37	10	07/11/85	Hook & line	1/4 miles offshore; Cape Cod Bay, Wellfleet, MA; 10-15' of water.
38	9	07/16/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
39	10	07/19/85	Otter trawl	<3 miles offshore; Nantucket Sound, MA; 10' of water.
40	11	07/24/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
41	11	07/31/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
42	11	08/02/85	Pound net	<1 mile offshore; Raritan Bay, Sandy Hook, NJ.
43	12	08/03/85	Pound net	<1 mile offshore; Monomoy Island, Chatham, MA; 10-15' of water.
44	11	08/06/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
45	11	08/09/85	Otter trawl	4 miles north of Mattatuck, Long Island Sound, NY; 90-100' of water.
46	12	08/11/85	Drift gill net	1 mile south of Provincetown, MA; 60' of water.
47	11	08/13/85	Hook & line	2 -3 miles offshore; south of Milford, CT off Fisher Island, NY; 60-90' of water.

Table Appendix II. continued

Location Capture Code	Site Code	Capture Date (Mo/Day/Yr)	Capture Method	Location
48	11	08/13/85	Otter trawl	Long Island Sound, CT.
49	11	08/16/85	Otter trawl	2-3 miles north of Mattatuck, Long Island Sound, NY; 90-100' of water.
50	12	08/17/85	Hook & line	2-3 miles south of New Bedford Harbor, outside of Hurricane Gate, Buzzards Bay, MA; 20-30' of water.
51	11	08/22/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
52	12	08/21/85	Drift gill net	1 mile south of Provincetown Harbor, MA; 20-30' of water.
53	11	08/22/85	Hook & line	12 miles east of Sea Isle City, NJ; 40-60' of water.
54	12	08/22/85	Hook & line	2-3 miles due south of New Bedford Harbor, Buzzards Bay, MA; 20-30' of water.
55	11	08/23/85	Hook & line	Mid-Long Island Sound, off Mattatuck, NY; 60-80' of water.
56	12	08/27/85	Drift gill net	1 mile south of Provincetown Harbor, MA; 20-30' of water.
57	11	08/29/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
58	11	08/28/85	Hook & line	3-5 miles off New Haven, Long Island Sound, CT; 60' of water.
59	11	08/28/85	Hook & line	12 miles offshore of Sea Isle City, NJ; 50-60' of water.
60	11	09/04/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
61	3	09/04/85	Pound net	Chesapeake Bay, Reedville, VA.
62	11	09/11/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
63	11	09/18/85	Beach seine	Surf zone; Horseshoe Cove, Sandy Hook, NJ; 3-4' of water.
64	3	09/18/85	Pound net	Hampton Roads, VA; 15-20' of water.

Table Appendix II. continued

Location Capture Code	Site Code	Capture Date (Mo/Day/Yr)	Capture Method	Location
65	3	09/23/85	Haul seine	Mouth of York River, VA; 15-20' of water.
66	1	10/06/85	Hook & line	<1 mile offshore; Provincetown, MA; 60' of water.
67	2	10/08/85	Otter trawl	2 miles offshore; mouth of Delaware Bay NJ; 30' of water.
68	1	10/09/85	Hook & line	1-3 miles offshore; Provincetown, MA.
69	2	10/06/85	Otter trawl	2 miles offshore; mouth of Delaware Bay, NJ; 30' of water.
70	2	10/21/85	Otter trawl	16 miles off Sandy Hook, NJ; 90' of water.
71	2	10/22/85	Otter trawl	4 miles north of Mattatuck Inlet, Long Island, NY; 100-110' water.
72	2	10/28/85	Pound net	1 mile offshore; Keyport, NJ; 15-20' of water.
73	1	10/28/85	Otter trawl	2-3 miles offshore; Cape Cod Bay, MA; 120' of water.
74	2	10/29/85	Otter trawl	13 miles off Sandy Hook, NJ; 60' of water.
75	2	11/07/85	Otter trawl	3-4 miles north of Mattatuck, Long Island, NY; 70-90' of water.
76	2	11/12/85	Otter trawl	18 miles east of Sandy Hook, NJ; 60' of water.

KEY TO APPENDIX TABLES III-XXI

Location Capture Code = Refers to specific location of capture (see APPENDIX TABLE II).

Size Category = 1 = 300 or less mm fork length; 2 = 301-500 mm fork length; and 3 = 501 or more mm fork length.

Confirmation = C = confirmation analyses performed.

Length = See "GLOSSARY" for definitions of total, fork, and standard length.

Sex = U = undetermined, M = male, and F = female.

Stage of Development = 0 = undetermined, 1 = immature, 2 = developing, 3 = ripe, 4 = running ripe, 5 = spent, and 6 = resting.

Ovary Weight = dash (-) = not taken

Ovary Retention = Y = yes, N = no, and dash (-) = male.

T = Trace (see "GLOSSARY" for definition and levels).

ND = Non Detectable (see "GLOSSARY" for definition).

Levels of Measurement = Lengths in millimeters, weights in grams, lipid content in percent, and PCB and organohalogen pesticide levels in parts-per-million.

APPENDIX TABLE III.

SITE 4 (North Carolina, January-February 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
1	2	1	03/18/85	2.7	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	331	291	260	350	U	1	-	-
2	2	1																			307	269	239	294	U	1	-	-
3	2	1																			337	298	266	402	U	1	-	-
4	2	1																			322	286	257	356	U	1	-	-
5	2	1																			325	286	257	364	U	1	-	-
6	2	1	03/18/85	1.4	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	331	293	262	372	U	1	-	-
7	2	1																			325	289	255	346	U	1	-	-
8	2	1																			330	292	257	362	U	1	-	-
9	2	1																			334	294	262	390	U	1	-	-
10	2	1																			332	293	260	360	U	1	-	-
11	2	1	03/18/85	3.2	ND	ND	0.35	T	0.55		T	T	T	T	T	T	T	T	T	0.03	303	265	232	276	U	1	-	-
12	2	1																			299	264	232	246	U	1	-	-
13	2	1																			294	258	227	232	U	1	-	-
14	2	1																			318	282	249	354	U	1	-	-
15	2	1																			300	265	234	252	U	1	-	-
16	2	1	03/18/85	2.0	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	300	262	233	240	U	1	-	-
17	2	1																			297	263	234	280	U	1	-	-
18	2	1																			299	262	235	256	U	1	-	-
19	2	1																			258	235	210	170	U	1	-	-
20	2	1																			323	286	254	346	U	1	-	-
21	2	1	03/18/85	2.5	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	325	288	260	312	U	1	-	-
22	2	1																			281	248	218	230	U	1	-	-
23	2	1																			291	259	227	254	U	1	-	-
24	2	1																			301	275	236	266	U	1	-	-
25	2	1																			314	283	247	348	U	1	-	-
26	2	1	03/18/85	2.1	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	320	287	252	318	U	1	-	-
27	2	1																			307	280	245	260	U	1	-	-
28	2	1																			320	288	255	342	U	1	-	-
29	2	1																			309	277	242	286	U	1	-	-
30	2	1																			314	279	246	302	U	1	-	-
31	1	2	02/20/85	7.4	ND	ND	0.57	T	0.77		T	T	T	T	T	T	T	T	0.05	0.07	423	380	344	722	U	1	-	-
32	1	2																			390	346	315	580	U	1	-	-
33	1	2																			421	372	333	722	U	1	-	-
34	1	2																			430	383	345	782	U	1	-	-
35	1	2																			371	328	298	534	U	1	-	-
36	1	2	02/20/85	5.0	ND	ND	0.60	T	0.80		T	T	ND	T	T	T	T	T	0.05	0.07	442	395	356	840	U	1	-	-
37	1	2																			448	395	357	878	U	1	-	-
38	1	2																			410	359	328	648	U	1	-	-
39	1	2																			424	375	348	772	U	1	-	-
40	1	2																			415	368	338	670	U	1	-	-
41	1	2	02/20/85	7.5	ND	ND	1.05	T	1.25		T	T	T	T	0.03	T	T	T	0.07	0.13	372	330	301	516	U	1	-	-
42	1	2																			418	370	326	698	U	1	-	-
43	1	2																			416	369	333	782	U	1	-	-
44	1	2																			397	352	320	610	U	1	-	-
45	1	2																			452	403	366	910	U	1	-	-
46	1	2	02/20/85	7.[illegible]	ND	ND	0.81	T	1.01		T	T	T	T	T	T	T	T	0.07	ND	395	353	325	632	U	1	-	-
47	1	2																			440	391	360	870	U	1	-	-
48	1	2																			442	392	357	816	U	1	-	-
49	1	2																			442	392	357	850	U	1	-	-
50	1	2																			442	392	358	884	U	1	-	-

Appendix Table III. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
51	2	2	03/10/85	0.9	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	414	370	331	658	U	1	-	-
52	2	2																			347	309	275	422	U	1	-	-
53	2	2																			435	383	346	756	F	1	-	N
54	2	2																			440	388	351	792	M	1	-	-
55	2	2																			435	383	345	720	M	1	-	-
56	2	2	03/10/85	2.1	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	344	303	272	376	U	1	-	-
57	2	2																			350	307	275	390	U	1	-	-
58	2	2																			351	310	270	424	F	1	-	N
59	2	2																			412	360	326	640	M	1	-	-
60	2	2																			364	324	288	400	F	1	-	N
61	1	3	03/01/85	20.2	ND	ND	1.15	0.38	1.53		T	T	T	0.03	0.05	0.11	T	0.06	0.14	0.21	875	779	729	6224	F	6	59.2	N
62	1	3																			826	737	680	5170	M	6	-	-
63	1	3																			866	763	710	6182	F	6	47.0	N
64	1	3																			812	717	660	5004	F	6	33.2	N
65	1	3																			791	693	645	4880	F	6	39.4	N
66	1	3	03/01/85	20.7	ND	ND	1.83	0.74	2.57		T	0.010	T	0.05	0.09	0.13	T	0.09	0.17	0.35	878	777	725	6378	F	6	44.7	N
67	1	3																			916	819	765	7160	M	6	-	-
68	1	3																			879	780	733	6112	M	6	-	-
69	1	3																			920	830	780	8300	F	6	60.2	N
70	1	3																			842	745	780	6204	M	6	-	-
71	1	3	03/01/85	17.6	ND	ND	1.09	0.41	1.50		T	T	T	0.03	0.05	0.12	T	0.06	0.14	0.32	866	768	720	6098	M	6	-	-
72	1	3																			810	725	672	4336	F	6	38.0	N
73	1	3																			820	720	670	5276	M	6	-	-
74	1	3																			825	736	680	5042	M	6	-	-
75	1	3																			855	756	705	6340	F	6	58.4	N
76	1	3	03/01/85	20.9	ND	ND	1.46	0.44	1.90		T	0.010	T	0.03	0.05	0.11	T	0.07	0.14	0.26	805	718	673	5166	F	6	37.3	N
77	1	3																			831	746	692	5424	F	6	74.5	N
78	1	3																			836	740	691	5352	M	6	-	-
79	1	3																			860	764	705	6196	M	6	-	-
80	1	3																			840	743	693	5934	M	6	-	-
81	1	3	03/01/85	17.0	ND	ND	0.58	0.30	0.88		T	T	T	0.03	0.05	0.07	T	0.06	0.12	0.17	791	700	652	4832	M	6	-	-
82	1	3																			835	737	680	5230	F	6	34.2	N
83	1	3																			850	756	700	5550	M	6	-	-
84	1	3																			825	725	672	5854	F	6	38.3	N
85	1	3																			820	719	673	5366	M	6	-	-
86	1	3	03/01/85	16.2	ND	ND	0.81	0.30	1.11		T	T	T	T	0.04	0.08	T	0.07	0.13	0.25	815	720	672	5200	M	6	-	-
87	1	3																			870	775	725	7110	F	6	50.2	N
88	1	3																			825	739	685	5530	F	6	39.5	N
89	1	3																			830	745	680	5440	F	6	36.2	N
90	1	3																			831	747	704	5040	M	6	-	-
91	1	3	03/01/85	23.3	ND	ND	0.83	0.30	1.13		T	0.010	T	0.03	0.06	ND	T	0.05	0.14	0.26	776	690	642	4244	F	6	32.0	N
92	1	3																			847	764	703	5686	M	6	-	-
93	1	3																			840	748	690	6368	M	6	-	-
94	1	3																			861	777	722	6480	F	6	71.0	N
95	1	3																			807	717	655	5222	F	6	43.3	N
96	1	3	03/06/85	15.0	ND	ND	0.72	0.36	1.08		T	T	T	T	0.04	T	T	T	0.09	0.11	830	754	685	5772	M	6	-	-
97	1	3																			822	727	670	5452	F	6	38.2	N
98	1	3																			806	722	671	4864	F	6	28.1	N
99	1	3																			825	738	683	4660	M	6	-	-
100	1	3																			855	752	702	5770	F	6	44.0	N

Appendix Table III. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	1	3	03/06/85	15.6	ND	ND	0.95	0.48	1.43	C	T	T	T	0.04	0.08	0.07	0.03	0.08	0.16	0.23	840	755	705	5766	F	6	46.4	N
102	1	3																			805	717	666	4360	M	6	-	-
103	1	3																			825	747	676	5470	F	6	41.0	N
104	1	3																			860	759	712	5806	M	6	-	-
105	1	3																			775	689	642	4618	M	6	-	-
106	1	3	03/06/85	14.4	ND	ND	1.67	0.55	2.22		T	T	T	0.05	0.09	0.09	T	0.07	0.10	0.25	763	673	622	3856	M	6	-	-
107	1	3																			835	747	692	5812	F	6	38.2	N
108	1	3																			853	766	716	5506	F	6	42.0	N
109	1	3																			854	769	707	5322	M	6	-	-
110	1	3																			780	690	636	4772	F	6	36.5	N
111	1	3	03/06/85	21.0	ND	ND	1.29	0.64	1.93	C	T	T	T	0.04	0.09	0.14	T	0.07	0.15	0.31	836	745	680	5312	M	6	-	-
112	1	3																			835	744	694	5726	M	6	-	-
113	1	3																			846	760	708	5736	F	6	36.3	N
114	1	3																			799	716	657	5620	M	6	-	-
115	1	3																			795	712	652	5320	M	6	-	-
116	1	3	03/06/85	20.5	ND	ND	1.13	0.56	1.69	C	T	T	T	0.04	0.09	ND	0.03	0.07	0.16	0.26	810	718	663	5040	F	6	24.6	N
117	1	3																			834	755	693	5580	M	6	-	-
118	1	3																			812	722	660	4674	F	6	28.1	N
119	1	3																			898	801	733	6362	M	6	-	-
120	1	3																			851	740	680	6382	F	6	47.9	N
121	1	3	03/06/85	18.5	ND	ND	1.24	0.62	1.86	C	T	T	T	0.03	0.08	ND	T	0.07	0.16	0.27	835	746	685	5210	M	6	-	-
122	1	3																			801	706	648	4154	M	6	-	-
123	1	3																			834	742	687	5832	F	6	41.0	N
124	1	3																			860	768	708	6502	F	6	50.0	N
125	1	3																			855	755	693	5440	M	6	-	-
126	1	3	03/01/85	20.0	ND	ND	0.94	0.30	1.24		T	0.010	T	T	0.04	0.10	T	0.05	0.12	0.32	794	698	636	4296	M	6	-	-
127	1	3																			817	726	632	4306	F	6	31.2	N
128	1	3																			815	717	658	4522	F	6	24.5	N
129	1	3																			846	749	692	5704	F	6	35.8	N
130	1	3																			892	795	728	6480	F	6	51.4	N
131	3	3	03/26/85	17.7	ND	ND	1.09	0.55	1.64	C	T	T	T	0.03	0.06	0.11	T	0.06	0.10	0.20	810	725	657	4760	M	6	-	-
132	3	3																			767	678	630	3970	M	6	-	-
133	3	3																			835	743	693	6312	M	6	-	-
134	3	3																			815	718	657	4320	F	6	35.6	Y
135	3	3																			805	727	670	4956	M	6	-	-
136	3	3	03/22/85	18.0	ND	ND	1.11	0.56	1.67	C	T	T	T	0.03	0.04	0.13	T	0.06	0.11	0.27	775	700	639	4510	F	6	35.6	Y
137	3	3																			838	749	689	5300	M	6	-	-
138	3	3																			805	709	664	4454	F	6	29.9	Y
139	3	3																			800	708	650	4750	F	6	35.1	Y
140	3	3																			821	735	672	6026	F	6	24.4	Y
141	3	3	03/22/85	15.0	ND	ND	1.17	0.59	1.76	C	T	T	T	0.03	0.05	0.14	T	0.07	0.11	0.25	784	708	644	4916	M	6	-	-
142	3	3																			805	720	671	4976	M	6	-	-
143	3	3																			784	700	642	4402	F	6	43.6	Y
144	3	3																			831	729	673	4996	M	6	-	-
145	3	3																			800	713	655	4442	F	6	37.8	Y
146	3	3	03/22/85	17.4	ND	ND	0.67	T	0.87		T	T	T	T	0.03	0.12	T	0.05	0.06	0.18	780	688	635	4200	F	6	29.4	Y
147	3	3																			821	740	691	5574	F	6	39.6	Y
148	3	3																			770	694	634	4492	M	6	-	-
149	3	3																			745	696	610	3014	M	6	-	-
150	3	3																			809	711	655	5122	M	6	-	-

Appendix Table III. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
151	3	3	03/19/85	15.7	ND	ND	0.95	0.48	1.43		T	T	T	0.04	0.07	0.05	T	0.07	0.10	0.11	809	730	664	4440	F	6	26.9	Y
152	3	3																			815	739	674	4362	M	6	-	-
153	3	3																			795	725	648	4570	M	6	-	-
154	3	3																			809	725	659	4686	F	6	35.5	Y
155	3	3																			776	684	625	4200	M	6	-	-
156	3	3	03/29/85	15.7	0.65	ND	6.92	0.72	8.29		T	T	0.020	0.06	0.07	0.10	T	0.06	0.11	0.15	849	749	692	5446	F	6	36.5	Y
157	3	3																			784	709	645	4132	F	6	28.0	Y
158	3	3																			841	745	682	5880	F	6	50.9	Y
159	3	3																			780	705	646	4070	F	6	29.9	Y
160	3	3																			785	700	642	4286	M	6	-	-
161	3	3	03/28/85	14.7	ND	ND	1.47	0.73	2.20	C	T	T	T	T	0.04	0.08	T	0.05	0.08	0.10	840	750	697	5356	M	6	-	-
162	3	3																			804	724	668	4900	F	6	24.0	Y
163	3	3																			770	689	625	3770	F	6	-	N
164	3	3																			810	728	667	4876	M	6	-	-
165	3	3																			790	709	645	4540	F	6	39.4	Y
166	3	3	03/11/85	14.5	ND	ND	0.75	0.37	1.13		T	T	T	0.03	0.04	0.04	T	0.07	ND	0.08	874	772	710	6736	F	6	62.6	Y
167	3	3																			820	744	678	5310	F	6	41.7	Y
168	3	3																			760	686	616	3960	M	6	-	-
169	3	3																			820	730	672	5612	F	6	42.3	Y
170	3	3																			780	690	638	4354	F	6	25.9	Y
171	3	3	03/13/85	12.1	ND	ND	0.87	0.43	1.30		T	T	T	0.04	0.04	0.03	0.04	0.06	0.07	0.09	860	765	700	5996	F	6	54.6	Y
172	3	3																			775	690	632	4442	F	6	30.4	Y
173	3	3																			804	715	649	3900	M	6	-	-
174	3	3																			844	763	692	5412	M	6	-	-
175	3	3																			709	700	640	4200	M	6	-	-
176	3	3	03/19/85	15.7	ND	ND	0.83	0.41	1.24		T	T	T	T	T	0.03	T	T	0.04	0.07	735	660	590	3444	M	6	-	-
177	3	3																			760	668	613	4576	F	6	29.9	Y
178	3	3																			793	700	638	4208	M	6	-	-
179	3	3																			741	659	605	3642	M	6	-	-
180	3	3																			780	701	634	3900	F	6	17.0	Y
181	3	3	03/22/85	16.5	ND	ND	0.88	0.43	1.31		T	T	T	0.03	0.05	0.16	T	0.06	0.10	0.24	777	700	640	4446	F	6	31.9	Y
182	3	3																			882	715	652	5068	M	6	-	-
183	3	3																			800	720	662	4772	F	6	41.7	Y
184	3	3																			863	774	706	6146	M	6	-	-
185	3	3																			810	728	668	4704	M	6	-	-
186	3	3	03/18/85	16.0	ND	ND	1.29	0.65	1.94	C	T	T	T	0.08	0.03	0.08	0.08	0.06	0.21	0.28	795	710	655	4626	M	6	-	-
187	3	3																			748	668	613	3710	M	6	-	-
188	3	3																			758	670	618	3736	M	6	-	-
189	3	3																			790	714	645	5106	F	6	34.4	Y
190	3	3																			828	756	683	5254	F	6	47.7	Y
191	3	3	03/28/85	18.6	ND	ND	1.31	0.66	1.97	C	T.	T	T	0.03	0.06	0.11	T	0.07	0.10	0.28	829	727	668	5020	F	6	33.0	Y
192	3	3																			825	728	678	5246	M	6	-	-
193	3	3																			783	697	640	4052	M	6	-	-
194	3	3																			792	704	649	5006	M	6	-	-
195	3	3																			804	714	655	4682	F	6	39.0	Y
196	3	3	03/22/85	15.4	ND	ND	0.61	0.35	0.96		T	T	T	0.03	0.06	0.14	T	0.06	0.11	0.22	680	606	555	2832	M	6	-	-
197	3	3																			805	715	662	4314	M	6	-	-
198	3	3																			856	762	710	6054	F	6	41.4	Y
199	3	3																			820	727	671	4852	M	6	-	-
200	3	3																			785	688	635	4210	M	6	-	-

Appendix Table III. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
201	3	3	03/26/85	15.2	ND	ND	0.74	0.36	1.10		T	T	T	T	0.04	0.10	T	0.05	0.08	0.20	825	733	671	5298	M	6	-	-
202	3	3																			804	713	660	5654	F	6	32.2	Y
203	3	3																			824	743	687	5398	F	6	36.1	Y
204	3	3																			810	722	669	4806	F	6	32.9	Y
205	3	3																			834	744	682	4440	F	6	37.3	Y
206	3	3	03/13/85	19.1	ND	ND	0.88	0.44	1.32		T	T	T	0.05	0.05	0.04	0.06	0.08	0.15	0.09	791	707	645	4504	F	6	34.2	Y
207	3	3																			805	711	658	4268	F	6	22.2	Y
208	3	3																			820	733	672	5748	F	6	47.9	Y
209	3	3																			782	683	636	4754	M	6	-	-
210	3	3																			801	705	649	4742	M	6	-	-
211	3	3	03/19/85	16.0	ND	ND	0.94	0.47	1.41		T	T	T	T	0.03	0.06	T	0.05	0.07	0.10	767	686	630	4002	F	6	24.9	Y
212	3	3																			820	726	672	5500	F	6	45.9	Y
213	3	3																			779	682	629	4218	F	6	22.8	Y
214	3	3																			806	711	654	5112	F	6	44.9	Y
215	3	3																			795	701	648	4080	F	6	29.3	Y
216	3	3	03/22/85	16.6	ND	ND	1.07	0.53	1.60	C	T	T	T	T	0.03	0.13	T	0.05	0.07	0.27	831	740	679	5682	F	6	41.5	Y
217	3	3																			792	701	640	4756	M	6	-	-
218	3	3																			912	799	732	7166	M	6	-	-
219	3	3																			793	708	655	4598	F	6	44.3	Y
220	3	3																			765	682	641	4312	M	6	-	-
221	3	3	03/19/85	15.6	ND	ND	0.78	0.39	1.17		T	T	T	0.03	0.06	0.05	T	0.05	0.09	0.10	810	718	660	5470	F	6	31.6	Y
222	3	3																			785	701	649	4700	M	6	-	-
223	3	3																			770	685	629	3960	F	6	26.3	Y
224	3	3																			792	702	646	4406	M	6	-	-
225	3	3																			765	675	615	3792	M	6	-	-
226	3	3	03/19/85	14.0	ND	ND	0.87	0.44	1.31		T	T	T	0.03	0.05	0.06	T	0.07	0.10	0.11	815	720	659	5194	F	6	53.6	Y
227	3	3																			770	687	634	4214	M	6	-	-
228	3	3																			795	704	649	4334	F	6	21.1	Y
229	3	3																			903	804	745	5774	F	6	54.2	Y
230	3	3																			782	701	636	4544	M	6	-	-
231	3	3	03/21/85	17.3	5.67	ND	37.90	1.81	45.40	C	T	T	T	0.16	0.07	0.07	T	0.08	0.15	0.46	766	669	615	4312	M	6	-	-
232	3	3																			786	698	640	5184	M	6	-	-
233	3	3																			800	716	665	5196	F	6	35.5	Y
234	3	3																			767	680	628	4348	M	6	-	-
235	3	3																			826	735	679	5440	M	6	-	-
236	3	3	03/13/85	17.5	ND	ND	0.77	0.38	1.15		T	T	T	0.04	0.04	T	0.04	0.05	0.06	0.08	765	676	624	4120	M	6	-	-
237	3	3																			731	655	602	4050	M	6	-	-
238	3	3																			782	692	636	4420	M	6	-	-
239	3	3																			835	739	685	5840	F	6	40.1	Y
240	3	3																			836	740	688	5146	F	6	42.9	Y
241	3	3	03/13/85	18.3	ND	ND	0.67	0.34	1.01		T	T	T	0.04	0.05	0.03	0.05	0.06	0.08	0.08	800	727	674	4558	M	6	-	-
242	3	3																			798	704	653	4466	F	6	43.1	Y
243	3	3																			772	681	629	4344	M	6	-	-
244	3	3																			768	678	622	4430	M	6	-	-
245	3	3																			782	690	635	4654	F	6	26.9	Y
246	3	3	03/19/85	14.0	ND	ND	0.82	0.41	1.23		T	T	T	T	0.04	0.05	T	0.05	0.07	0.10	798	705	647	4770	M	6	-	-
247	3	3																			830	736	671	5746	M	6	-	-
248	3	3																			819	734	673	4960	F	6	37.1	Y
249	3	3																			813	724	670	5002	M	6	-	-
250	3	3																			784	689	632	3962	M	6	-	-

Appendix Table III. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
251	3	3	03/19/85	15.9	ND	ND	0.71	0.35	1.06		T	T	T	0.03	0.04	0.04	T	0.07	0.09	0.10	812	712	651	4942	M	6	-	-
252	3	3																			833	732	680	5478	M	6	-	-
253	3	3																			794	706	646	3080	F	6	29.8	Y
254	3	3																			837	738	672	5362	F	6	35.7	Y
255	3	3																			665	675	620	4374	M	6	-	-
256	3	3	03/22/85	16.1	ND	ND	1.01	0.08	1.09		T	T	T	T	0.04	0.10	T	T	0.06	0.22	930	826	761	6606	F	6	64.9	Y
257	3	3																			795	707	648	4418	F	6	26.9	Y
258	3	3																			838	740	680	5712	F	6	62.3	Y
259	3	3																			878	783	715	5200	M	6	-	-
260	3	3																			740	651	593	3850	M	6	-	-
261	3	3	03/18/85	20.3	ND	ND	1.11	0.55	1.66	C	T	T	T	0.05	0.04	0.06	0.06	0.06	0.13	0.22	770	679	623	3918	F	6	24.5	Y
262	3	3																			758	676	615	4540	M	6	-	-
263	3	3																			793	701	641	4360	F	6	32.7	Y
264	3	3																			770	680	620	4502	M	6	-	-
265	3	3																			840	745	685	5750	F	6	36.6	Y
266	3	3	03/19/85	16.3	ND	ND	0.78	0.39	1.17		T	T	T	T	0.03	0.05	T	T	0.05	0.08	711	635	576	3646	M	6	-	-
267	3	3																			794	712	648	4764	F	6	28.7	Y
268	3	3																			779	691	633	4660	F	6	32.4	Y
269	3	3																			775	685	625	4055	M	6	-	-
270	3	3																			777	692	631	4510	F	6	31.4	Y
271	3	3	03/19/85	16.4	ND	ND	0.87	0.43	1.30		T	T	T	T	0.04	0.06	T	0.06	0.09	0.10	832	740	676	5530	F	6	35.3	Y
272	3	3																			796	710	641	4600	F	6	32.2	Y
273	3	3																			766	677	616	4080	F	6	33.0	Y
274	3	3																			785	694	632	4500	F	6	23.6	Y
275	3	3																			820	725	665	4792	F	6	32.3	Y
276	3	3	03/19/85	14.5	ND	ND	0.77	0.38	1.15		T	T	T	0.03	0.04	0.04	T	0.05	0.08	0.10	783	697	641	4384	M	6	-	-
277	3	3																			768	673	615	4136	F	6	23.1	N
278	3	3																			855	761	701	5520	M	6	-	-
279	3	3																			810	714	651	4150	M	6	-	-
280	3	3																			770	682	626	4250	M	6	-	-
281	3	3	03/28/85	16.2	T	ND	1.41	0.70	2.31	C	T	T	T	0.03	0.04	0.07	T	0.05	0.06	0.19	810	715	655	4604	M	6	-	-
282	3	3																			802	712	651	4032	F	6	22.1	Y
283	3	3																			855	760	700	6634	F	6	60.9	Y
284	3	3																			799	710	642	5014	M	6	-	-
285	3	3																			790	700	636	4790	F	6	31.4	Y
286	3	3	03/23/85	13.3	ND	ND	0.71	0.35	1.06		T	T	T	0.03	0.07	T	T	T	0.06	0.07	791	695	633	4466	M	6	-	-
287	3	3																			765	675	620	3730	M	6	-	-
288	3	3																			775	692	632	4480	M	6	-	-
289	3	3																			804	706	650	5002	M	6	-	-
290	3	3																			762	675	622	3902	M	6	-	-
291	3	3	03/23/85	19.1	ND	ND	0.99	0.50	1.49		T	T	T	0.04	0.09	0.04	T	0.07	0.11	0.12	800	712	655	4544	F	6	26.1	Y
292	3	3																			810	715	656	5098	F	6	46.7	Y
293	3	3																			805	713	652	4038	F	6	30.2	Y
294	3	3																			822	725	663	4654	F	6	26.0	Y
295	3	3																			854	757	694	5700	F	6	45.1	Y
296	3	3	04/11/85	12.4	ND	ND	0.88	0.44	1.32	C	T	T	T	0.03	0.05	0.06	T	T	0.07	0.09	855	758	696	5036	M	6	-	-
297	3	3																			775	694	635	4320	M	6	-	-
298	3	3																			750	654	600	3384	M	6	-	-
299	3	3																			743	656	596	3638	M	6	-	-
300	3	3																			820	717	652	4802	F	6	30.2	Y

Appendix Table III. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
301	3	3	03/23/85	19.4	ND	ND	0.71	0.36	1.07		T	T	T	0.03	0.07	0.05	T	0.08	0.10	0.10	790	701	641	4526	M	6	-	-
302	3	3																			815	725	657	5402	F	6	44.5	Y
303	3	3																			793	703	646	4406	F	6	37.7	Y
304	3	3																			812	715	652	4768	F	6	35.1	Y
305	3	3																			753	667	610	3692	M	6	-	-
306	3	3	03/11/85	15.9	ND	ND	0.55	T	0.75		T	T	T	0.04	0.04	T	T	ND	0.12	0.06	783	684	625	4000	M	6	-	-
307	3	3																			820	730	670	5364	F	6	37.4	Y
308	3	3																			806	704	641	4302	F	6	24.4	Y
309	3	3																			801	709	652	4236	F	6	36.5	Y
310	3	3																			813	716	640	4446	M	6	-	-
311	3	3	03/11/85	19.5	ND	ND	0.95	0.47	1.42		T	T	T	0.05	0.06	0.03	T	ND	0.14	0.11	790	699	643	4000	M	6	-	-
312	3	3																			770	685	627	3672	F	6	28.5	Y
313	3	3																			745	658	602	3442	M	6	-	-
314	3	3																			820	730	670	6032	F	6	51.2	Y
315	3	3																			815	730	671	5196	M	6	-	-
316	3	3	03/29/85	17.6	ND	ND	1.10	0.55	1.65	C	T	T	T	0.03	0.05	0.13	0.03	0.05	0.09	0.24	795	702	646	4620	F	6	27.7	Y
317	3	3																			756	675	620	4448	F	6	25.9	Y
318	3	3																			830	732	675	4900	F	6	36.0	Y
319	3	3																			850	748	689	6072	F	6	59.6	Y
320	3	3																			876	772	710	5798	F	6	47.1	Y
321	3	3	03/23/85	17.8	ND	ND	0.54	T	0.74		T	T	T	T	0.03	T	T	0.05	0.06	0.06	770	681	631	4396	M	6	-	-
322	3	3																			763	682	631	3716	F	6	21.1	Y
323	3	3																			790	700	642	4444	M	6	-	-
324	3	3																			793	700	643	4476	F	6	24.0	Y
325	3	3																			786	690	640	4704	M	6	-	-
326	3	3	03/23/85	13.8	ND	ND	0.88	0.44	1.32		T	T	T	0.03	0.04	0.04	T	0.06	0.09	0.11	788	686	630	4376	F	6	27.0	Y
327	3	3																			835	742	689	4064	M	6	-	-
328	3	3																			683	604	553	2800	F	6	14.6	Y
329	3	3																			777	688	630	4052	M	6	-	-
330	3	3																			814	722	668	4064	M	6	-	-
331	3	3	03/28/85	16.9	ND	ND	1.16	0.58	1.74	C	T	T	T	0.03	0.07	0.07	T	0.06	0.10	0.22	879	779	720	6210	F	6	56.3	Y
332	3	3																			771	679	620	4052	M	6	-	-
333	3	3																			848	750	690	6426	M	6	-	-
334	3	3																			834	747	689	5614	F	6	37.5	Y
335	3	3																			830	734	680	4700	F	6	32.2	Y
336	3	3	03/23/85	14.6	ND	ND	0.55	T	0.75		T	T	T	0.03	0.08	T	T	0.06	0.07	0.06	793	709	650	4450	M	6	-	-
337	3	3																			820	724	668	4606	F	6	34.5	Y
338	3	3																			744	663	611	3886	F	6	24.7	Y
339	3	3																			741	659	600	3410	M	6	-	-
340	3	3																			785	699	638	4592	F	6	24.5	Y
341	3	3	03/23/85	16.1	ND	ND	0.94	0.47	1.41		T	T	T	0.03	0.06	0.03	T	0.06	0.09	0.11	792	700	645	4914	M	6	-	-
342	3	3																			800	706	655	4496	F	6	31.6	Y
343	3	3																			840	742	685	5754	F	6	34.6	Y
344	3	3																			746	661	610	3952	F	6	17.9	Y
345	3	3																			770	683	630	4250	M	6	-	-
346	3	3	03/11/85	14.5	ND	ND	0.84	0.42	1.26		T	T	ND	0.03	0.04	0.04	T	0.08	ND	0.11	862	772	713	6598	M	6	-	-
347	3	3																			813	719	662	5290	F	6	43.2	Y
348	3	3																			711	629	578	3048	F	6	14.1	Y
349	3	3																			800	707	640	5212	F	6	30.4	Y
350	3	3																			790	700	653	4812	M	6	-	-

Appendix Table III. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
351	3	3	03/11/85	14.4	ND	ND	0.83	0.42	1.25		T	T	T	0.03	0.04	0.04	T	0.07	0.09	ND	828	728	665	5472	M	6	-	-
352	3	3																			790	691	638	4428	M	6	-	-
353	3	3																			750	668	610	4132	M	6	-	-
354	3	3																			796	705	648	4688	M	6	-	-
355	3	3																			763	674	622	3770	M	6	-	-
356	3	3	03/11/85	13.3	ND	ND	0.90	0.45	1.35		T	T	T	0.03	0.04	0.04	T	0.07	ND	0.11	790	695	636	4006	M	6	-	-
357	3	3																			804	717	654	5192	M	6	-	-
358	3	3																			746	669	613	4166	M	6	-	-
359	3	3																			760	676	616	4172	M	6	-	-
360	3	3																			845	756	690	6012	F	6	27.0	Y
361	3	3	03/11/85	10.9	ND	ND	0.93	0.46	1.39		T	T	T	0.04	0.04	0.03	T	0.08	0.12	ND	772	680	625	4692	M	6	-	-
362	3	3																			820	720	661	5124	F	6	35.5	Y
363	3	3																			804	715	657	5054	F	6	40.0	Y
364	3	3																			730	654	596	3582	M	6	-	-
365	3	3																			770	680	625	3740	M	6	-	-
366	3	3	03/29/85	15.6	ND	ND	1.63	0.51	2.14		T	T	T	T	0.05	0.13	T	0.07	0.09	0.17	866	765	697	5520	F	6	29.6	Y
367	3	3																			830	720	667	4662	F	6	36.0	Y
368	3	3																			740	654	591	3954	F	6	21.2	Y
369	3	3																			767	685	625	4130	M	6	-	-
370	3	3																			795	693	631	4924	M	6	-	-
371	3	3	03/19/85	14.2	ND	ND	0.73	0.37	1.10		T	T	T	T	0.05	0.04	T	0.05	0.07	0.08	855	767	700	5494	F	6	27.0	Y
372	3	3																			781	686	621	4310	M	6	-	-
373	3	3																			809	707	646	5210	F	6	29.1	Y
374	3	3																			800	705	646	5150	F	6	35.1	Y
375	3	3																			785	703	640	4072	M	6	-	-
376	3	3	03/20/85	19.0	ND	ND	1.08	0.54	1.62	C	T	T	T	0.03	0.05	0.11	T	0.07	0.10	0.35	805	722	655	4096	F	6	30.0	Y
377	3	3																			800	708	639	5420	M	6	-	-
378	3	3																			802	705	640	4664	M	6	-	-
379	3	3																			773	680	623	4012	M	6	-	-
380	3	3																			770	680	621	4440	F	6	31.2	Y
381	3	3	03/18/85	17.5	ND	ND	1.09	0.54	1.63	C	T	T	T	0.04	0.03	0.06	0.05	0.05	0.12	0.23	765	681	617	3800	M	6	-	-
382	3	3																			763	672	611	3726	F	6	26.1	Y
383	3	3																			777	690	626	4570	M	6	-	-
384	3	3																			808	792	723	6316	M	6	-	-
385	3	3																			771	683	625	4738	M	6	-	-

APPENDIX TABLE IV.

SITE 6 (North Carolina, March 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
1	6	2	04/18/85	0.1	ND	ND	T	T	0.20		T	T	T	T	T	T	T	ND	T	T	453	395	353	818	U	1	-	-
2	6	2																			404	356	320	630	F	1	1.9	Y
3	6	2																			455	409	366	796	M	1	-	-
4	6	2																			457	402	364	844	F	1	2.7	Y
5	6	2																			470	415	372	880	F	1	4.2	Y
6	6	2	04/18/85	0.3	ND	ND	T	T	0.20		ND	T	T	T	T	T	T	ND	T	T	395	350	307	532	F	1	1.4	Y
7	6	2																			390	345	312	562	U	1	-	-
8	6	2																			369	327	293	458	F	1	1.3	Y
9	6	2																			401	353	320	580	U	1	-	-
10	6	2																			375	330	299	508	F	1	2.9	Y
11	6	2	04/18/85	0.5	ND	ND	T	T	0.20		ND	T	ND	T	T	T	T	ND	T	T	355	316	283	436	U	1	-	-
12	6	2																			372	330	295	464	U	1	-	-
13	6	2																			410	360	323	658	U	1	-	-
14	6	2																			397	346	301	554	U	1	-	-
15	6	2																			373	330	294	528	F	1	1.4	Y
16	6	2	04/18/85	0.4	ND	ND	T	T	0.20		T	ND	T	T	T	T	ND	ND	T	T	445	393	359	794	M	1	-	-
17	6	2																			400	357	322	620	U	1	-	-
18	6	2																			415	367	331	626	U	1	-	-
19	6	2																			377	331	297	466	U	1	-	-
20	6	2																			416	371	333	684	U	1	-	-
21	6	2	04/18/85	0.4	ND	ND	T	T	0.20		T	T	ND	T	T	T	ND	ND	T	T	371	330	298	466	F	1	1.7	Y
22	6	2																			395	350	315	572	U	1	-	-
23	6	2																			341	300	277	388	F	1	0.8	Y
24	6	2																			365	330	303	514	F	1	1.1	Y
25	6	2																			419	371	335	628	U	1	-	-
26	6	2	04/18/85	0.2	ND	ND	T	T	0.20		ND	ND	ND	ND	T	ND	ND	ND	ND	T	417	368	331	634	F	1	2.5	Y
27	6	2																			370	329	296	468	U	1	-	-
28	6	2																			377	333	300	482	M	1	-	-
29	6	2																			378	331	297	446	U	1	-	-
30	6	2																			390	342	306	496	U	1	-	-
31	5	3	04/10/85	8.8	ND	ND	0.71	0.35	1.07		T	T	T	T	0.05	0.04	T	0.06	0.09	0.09	875	767	703	4068	M	6	-	-
32	5	3																			805	715	655	3950	M	6	-	-
33	5	3																			856	757	691	5412	F	6	44.6	Y
34	5	3																			781	701	640	4286	F	6	20.6	Y
35	5	3																			803	711	651	4720	M	2	-	-
36	5	3	04/10/85	12.8	ND	ND	0.57	0.30	0.87		T	T	T	T	0.05	0.04	T	0.06	0.08	0.07	791	705	645	3866	F	6	30.4	Y
37	5	3																			763	678	616	3976	F	6	75.7	Y
38	5	3																			807	711	655	4602	M	6	-	-
39	5	3																			784	695	634	3938	M	6	-	-
40	5	3																			806	785	720	5904	F	6	58.1	Y
41	5	3	04/10/85	12.5	ND	ND	1.00	0.51	1.51		T	T	T	0.04	0.06	0.06	T	0.08	0.14	0.11	818	728	671	4574	F	6	41.4	Y
42	5	3																			802	701	645	3882	F	6	26.7	Y
43	5	3																			791	710	652	3870	M	6	-	-
44	5	3																			777	685	628	3986	M	6	-	-
45	5	3																			824	730	676	4238	F	6	33.6	Y
46	5	3	04/10/85	11.9	ND	ND	0.85	0.43	1.28		T	T	T	0.03	0.05	0.06	T	0.07	0.11	0.09	762	680	623	3574	M	6	-	-
47	5	3																			790	700	641	4006	M	6	-	-
48	5	3																			883	785	720	6288	F	2	61.3	Y
49	5	3																			814	715	660	4080	F	6	38.3	Y
50	5	3																			795	719	616	4286	M	6	-	-

Appendix Table IV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	5	3	04/10/85	12.6	ND	ND	0.76	0.37	1.13		T	T	T	0.03	0.06	0.04	T	0.07	0.11	0.09	793	700	624	4034	F	6	28.8	Y
52	5	3																			750	658	601	3926	M	6	-	-
53	5	3																			774	682	630	363[illegible]	M	6	-	-
54	5	3																			802	718	660	4380	F	6	32.8	Y
55	5	3																			793	695	639	4054	F	6	38.4	Y
56	5	3	04/10/85	9.5	ND	ND	0.75	0.38	1.13		T	T	T	0.03	0.03	0.04	T	0.07	0.10	0.08	808	715	652	4346	F	6	39.7	Y
57	5	3																			840	749	684	4020	F	6	38.5	Y
58	5	3																			860	752	686	4632	M	6	-	-
59	5	3																			846	747	682	4770	M	6	-	-
60	5	3																			833	730	671	4290	F	6	43.7	Y
61	5	3	04/10/85	15.0	ND	ND	1.30	0.65	1.95		T	T	T	T	0.04	0.08	T	T	0.09	0.10	855	751	681	5054	F	6	51.7	Y
62	5	3																			849	755	693	4616	F	6	49.3	Y
63	5	3																			773	688	630	3766	F	6	24.4	Y
64	5	3																			874	779	707	6216	F	2	89.2	Y
65	5	3																			795	710	660	4226	M	6	-	-
66	5	3	04/10/85	16.0	ND	ND	0.73	0.37	1.10		T	T	T	0.03	0.05	0.05	T	0.08	0.11	0.08	771	691	639	3992	M	6	-	-
67	5	3																			775	688	629	4090	F	6	38.3	Y
68	5	3																			789	694	635	3610	M	6	-	-
69	5	3																			785	698	639	4354	M	6	-	-
70	5	3																			777	688	630	4046	M	6	-	-
71	5	3	04/10/85	18.1	ND	ND	0.77	0.39	1.16		T	T	T	T	0.04	0.06	T	0.06	0.05	0.08	811	727	665	4070	M	6	-	-
72	5	3																			784	689	630	4576	F	6	53.0	Y
73	5	3																			770	688	632	4034	M	2	-	-
74	5	3																			850	748	687	4032	F	6	57.5	Y
75	5	3																			838	740	678	4784	F	6	50.1	Y
76	5	3	04/10/85	12.1	ND	ND	0.84	0.42	1.26		T	T	T	T	0.03	0.05	T	T	0.04	0.08	777	683	632	3866	M	6	-	-
77	5	3																			783	697	636	3556	F	6	24.5	Y
78	5	3																			772	685	625	3688	M	6	-	-
79	5	3																			870	782	722	5158	M	2	-	-
80	5	3																			778	689	631	3756	F	6	31.0	Y
81	5	3	04/10/85	17.0	ND	ND	1.04	0.52	1.56		T	T	T	T	0.04	0.07	T	0.06	0.09	0.10	792	700	640	4242	F	6	28.3	Y
82	5	3																			765	688	630	4088	F	6	26.6	Y
83	5	3																			822	731	671	5044	M	6	-	-
84	5	3																			795	710	652	4696	F	2	57.5	Y
85	5	3																			754	677	621	3914	M	6	-	-
86	5	3	04/10/85	13.6	ND	ND	0.93	0.47	1.40		T	T	T	T	0.03	0.06	T	T	0.09	0.09	780	690	636	4414	M	6	-	-
87	5	3																			765	677	625	3660	F	6	20.4	Y
88	5	3																			810	723	664	4442	F	2	47.2	Y
89	5	3																			800	708	660	4184	F	6	24.0	Y
90	5	3																			786	704	651	4072	F	6	37.0	Y
91	5	3	04/10/85	15.0	ND	ND	0.79	0.40	1.39		T	T	T	T	0.03	0.05	T	T	0.04	0.08	765	696	635	3904	M	6	-	-
92	5	3																			834	737	683	4530	F	6	28.5	Y
93	5	3																			777	684	623	3966	M	6	-	-
94	5	3																			820	733	674	4656	M	6	-	-
95	5	3																			791	710	653	3720	F	6	23.8	Y
96	5	3	04/10/85	14.6	ND	ND	0.96	0.48	1.44		T	T	T	0.03	0.05	0.07	T	0.08	0.07	0.09	750	670	627	3854	F	6	24.6	Y
97	5	3																			810	740	675	4438	M	6	-	-
98	5	3																			843	726	667	4808	F	6	27.4	Y
99	5	3																			812	717	662	4328	M	6	-	-
100	5	3																			861	770	700	5563	M	2	-	-

Appendix Table IV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	5	3	04/10/85	14.6	ND	ND	0.86	0.43	1.29		T	T	T	T	0.04	0.07	T	0.06	0.05	0.09	795	707	650	4106	M	6	-	-
102	5	3																			850	758	693	5176	M	2	-	-
103	5	3																			775	698	643	3784	F	6	23.9	Y
104	5	3																			769	685	623	4136	M	6	-	-
105	5	3																			778	700	633	3882	M	6	-	-
106	5	3	04/10/85	9.8	ND	ND	0.62	0.31	0.93		T	T	T	T	T	0.04	T	T	0.06	0.06	830	732	678	4674	F	6	41.7	Y
107	5	3																			795	719	649	4570	M	6	-	-
108	5	3																			816	743	667	4470	F	6	43.9	Y
109	5	3																			757	683	624	3858	M	6	-	-
110	5	3																			800	699	644	4570	F	6	46.2	Y
111	5	3	04/10/85	14.3	ND	ND	0.82	0.41	1.23		T	T	T	T	0.03	0.06	T	0.05	0.04	0.08	796	710	643	4200	F	6	31.8	Y
112	5	3																			780	693	633	3592	M	6	-	-
113	5	3																			815	734	668	4650	F	2	42.5	Y
114	5	3																			776	694	635	4174	M	6	-	-
115	5	3																			770	690	624	4106	M	6	-	-
116	5	3	04/10/85	14.9	ND	ND	0.82	0.41	1.23		T	T	T	T	0.03	0.06	T	T	0.04	0.08	810	720	665	4290	M	6	-	-
117	5	3																			770	680	624	3662	F	6	29.0	Y
118	5	3																			805	720	651	4184	M	6	-	-
119	5	3																			807	720	667	4828	F	2	42.6	Y
120	5	3																			819	739	679	5132	F	2	56.2	Y
121	5	3	04/11/85	10.3	ND	ND	1.06	0.53	1.59		0.04	T	T	0.06	0.06	0.04	T	0.06	0.16	0.14	861	768	702	5308	F	2	46.0	Y
122	5	3																			790	708	641	4560	M	6	-	-
123	5	3																			813	725	665	4598	F	2	51.4	N
124	5	3																			758	694	630	4246	M	2	-	-
125	5	3																			780	705	642	4240	F	2	39.1	Y
126	5	3	04/10/85	15.0	ND	ND	0.86	0.43	1.29		T	T	T	T	0.04	0.06	T	0.05	0.05	0.08	837	749	690	5020	F	6	50.3	Y
127	5	3																			806	720	657	4514	M	6	-	-
128	5	3																			785	699	639	4312	F	6	31.2	Y
129	5	3																			811	739	665	4986	M	2	-	-
130	5	3																			873	768	705	5192	M	6	-	-
131	5	3	04/10/85	16.3	ND	ND	0.88	0.44	1.32		T	T	T	T	0.03	0.07	T	T	0.04	0.09	779	705	626	4532	M	6	-	-
132	5	3																			793	698	638	4414	M	6	-	-
133	5	3																			752	684	620	3962	F	6	40.4	Y
134	5	3																			820	730	673	4700	F	6	41.6	Y
135	5	3																			752	650	609	3994	M	6	-	-
136	5	3	04/11/85	11.9	ND	ND	0.80	0.40	1.20		T	T	T	0.03	0.03	0.04	T	0.06	0.05	0.11	806	713	665	4334	M	6	-	-
137	5	3																			775	692	645	4344	F	6	42.7	Y
138	5	3																			825	732	679	4380	M	6	-	-
139	5	3																			764	685	635	3912	M	6	-	-
140	5	3																			804	711	658	4104	M	6	-	-
141	5	3	04/11/85	15.1	ND	ND	0.63	0.31	0.94		T	T	T	0.03	0.03	0.03	T	0.05	0.08	0.09	753	654	615	4476	F	6	42.7	Y
142	5	3																			770	688	630	3942	F	6	31.9	Y
143	5	3																			762	675	619	4324	F	6	34.7	Y
144	5	3																			792	700	648	3898	F	6	33.4	Y
145	5	3																			799	709	652	3910	F	6	24.9	Y
146	5	3	04/10/85	13.9	ND	ND	1.12	0.56	1.68		T	T	T	T	0.04	0.08	T	0.05	0.06	0.10	760	671	621	3782	F	6	33.3	Y
147	5	3																			779	682	630	4454	F	6	41.9	Y
148	5	3																			828	731	679	4596	M	6	-	-
149	5	3																			829	734	678	5198	M	6	-	-
150	5	3																			847	750	691	4786	F	6	38.4	Y

Appendix Table IV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
151	5	3	04/11/85	12.0	ND	ND	0.73	0.35	1.09		T	T	T	0.03	0.03	0.04	T	0.05	0.06	0.10	838	740	681	4888	M	6	-	-
152	5	3																			812	711	654	4684	F	6	47.2	Y
153	5	3																			758	675	611	3752	M	6	-	-
154	5	3																			772	683	626	3488	M	6	-	-
155	5	3																			773	686	630	3716	M	6	-	-
156	5	3	05/02/85	16.2	ND	ND	1.51	0.75	2.26	C	T	T	T	0.05	0.06	0.13	T	0.11	0.16	0.34	769	679	619	4184	F	6	28.1	Y
157	5	3																			873	778	710	4950	M	6	-	-
158	5	3																			824	730	668	5010	M	6	-	-
159	5	3																			825	729	679	4966	M	6	-	-
160	5	3																			778	691	639	3556	M	6	-	-
161	5	3	04/11/85	14.6	ND	ND	1.21	0.60	1.81		T	T	T	0.03	0.04	0.06	T	0.05	0.09	0.12	742	659	613	3800	F	6	37.0	Y
162	5	3																			810	714	656	4552	F	6	45.1	Y
163	5	3																			799	715	670	4216	M	6	-	-
164	5	3																			778	690	629	4076	F	6	30.6	Y
165	5	3																			805	712	655	3920	M	6	-	-
166	5	3	04/11/85	10.9	ND	ND	0.99	0.49	1.48		T	T	T	0.03	0.04	0.05	T	0.06	0.06	0.13	786	698	640	4788	F	6	40.6	N
167	5	3																			868	760	699	4884	M	6	-	-
168	5	3																			753	663	610	3590	M	6	-	-
169	5	3																			845	738	681	4696	M	6	-	-
170	5	3																			842	740	684	4884	M	6	-	-
171	5	3	04/11/85	13.3	ND	ND	0.92	0.46	1.38		T	T	T	0.03	0.04	0.05	T	0.08	0.07	0.12	770	702	647	4050	F	6	26.4	Y
172	5	3																			822	730	672	4726	M	2	-	-
173	5	3																			774	692	635	4276	M	6	-	-
174	5	3																			873	772	707	5118	M	6	-	-
175	5	3																			855	759	696	6524	M	2	-	-
176	5	3	04/11/85	10.2	ND	ND	0.79	0.39	1.18		T	T	T	T	0.03	0.03	T	0.05	0.05	0.11	782	685	631	3972	M	6	-	-
177	5	3																			854	760	699	5370	M	6	-	-
178	5	3																			773	689	636	4050	F	2	39.6	Y
179	5	3																			773	687	629	4120	F	6	34.5	Y
180	5	3																			785	699	647	3960	F	6	33.9	Y
181	7	3	04/18/85	7.1	ND	ND	1.02	0.51	1.53		T	T	T	T	0.04	0.06	T	T	0.07	0.12	870	770	710	4480	F	6	46.2	Y
182	7	3																			824	736	677	4830	M	2	-	-
183	7	3																			897	798	732	5590	M	2	-	-
184	7	3																			872	770	704	6000	F	2	71.1	Y
185	7	3																			846	745	682	5466	M	2	-	-
186	7	3	04/19/85	11.9	ND	ND	1.10	0.55	1.65	C	T	T	T	T	0.04	0.08	T	T	0.09	0.12	785	690	632	4022	M	2	-	-
187	7	3																			792	695	639	4324	F	2	48.7	Y
188	7	3																			826	726	668	4566	F	6	49.1	Y
189	7	3																			858	757	699	5292	F	6	50.1	Y
190	7	3																			875	773	711	5384	M	2	-	-
191	7	3	04/19/85	11.1	ND	ND	0.42	T	0.62		T	T	T	T	0.03	0.03	T	T	0.07	0.05	870	766	701	4900	F	6	53.7	Y
192	7	3																			835	740	678	4512	F	6	33.6	Y
193	7	3																			810	721	666	4460	F	6	41.1	Y
194	7	3																			798	702	642	3642	M	6	-	-
195	7	3																			818	722	661	4678	M	6	-	-
196	7	3	04/19/85	12.1	ND	ND	1.06	0.53	1.59	C	T	T	ND	T	0.03	0.08	T	T	0.08	0.11	770	680	626	3908	M	6	-	-
197	7	3																			803	719	657	4704	M	2	-	-
198	7	3																			852	755	693	4828	F	2	43.5	Y
199	7	3																			888	785	725	5942	F	2	82.2	Y
200	7	3																			833	735	678	4594	F	2	73.5	Y

Appendix Table IV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
201	7	3	04/19/85	11.0	ND	ND	0.71	0.36	1.07		T	T	T	T	0.03	0.06	T	T	0.06	0.08	815	720	662	4340	F	2	60.5	Y
202	7	3																			800	708	653	3988	F	6	34.5	Y
203	7	3																			845	749	685	4652	M	6	-	-
204	7	3																			817	726	666	4178	F	6	33.6	Y
205	7	3																			788	703	647	4294	M	6	-	-
206	7	3	04/19/85	12.0	ND	ND	0.72	0.35	1.08		T	T	T	T	0.04	0.06	T	0.05	0.09	0.09	833	743	683	4406	F	6	39.3	Y
207	7	3																			780	699	637	4270	M	2	-	-
208	7	3																			788	696	641	3956	F	6	32.8	Y
209	7	3																			888	787	724	5008	F	6	53.8	Y
210	7	3																			853	770	711	5500	M	6	-	-
211	7	3	04/19/85	12.9	ND	ND	0.75	0.38	1.13		T	T	T	T	0.04	0.06	T	0.05	0.10	0.09	837	737	680	5140	F	6	58.5	Y
212	7	3																			811	722	664	4722	M	2	-	-
213	7	3																			800	720	661	4516	F	6	35.0	Y
214	7	3																			876	777	719	5154	M	6	-	-
215	7	3																			797	707	647	3910	M	6	-	-
216	7	3	04/19/85	12.2	ND	ND	1.14	0.57	1.71	C	T	T	T	T	0.04	0.07	T	0.05	0.10	0.13	850	775	702	4562	F	6	40.7	Y
217	7	3																			880	790	628	5476	M	2	-	-
218	7	3																			836	750	680	4540	M	6	-	-
219	7	3																			818	736	665	4330	F	6	46.1	Y
220	7	3																			855	760	690	5356	F	6	52.3	Y
221	7	3	05/02/85	11.1	ND	ND	1.55	0.78	2.33	C	T	T	T	0.04	0.07	0.14	T	0.06	0.16	0.20	839	758	682	5034	F	2	66.6	Y
222	7	3																			834	738	680	4504	F	6	37.6	Y
223	7	3																			820	738	663	4904	M	2	-	-
224	7	3																			793	709	637	4090	M	6	-	-
225	7	3																			847	750	658	4408	M	2	-	-
226	7	3	04/25/85	11.3	ND	ND	1.28	0.64	1.92	C	T	T	T	T	0.03	0.09	T	T	0.07	0.13	828	734	670	4736	F	6	49.2	Y
227	7	3																			832	750	686	4068	M	6	-	-
228	7	3																			831	736	670	5168	F	2	72.9	Y
229	7	3																			836	747	672	4920	M	6	-	-
230	7	3																			814	727	658	4696	M	6	-	-
231	7	3	05/08/85	11.9	ND	ND	1.71	0.85	2.56	C	T	T	T	0.03	0.05	0.15	T	0.08	0.12	0.31	900	800	730	5770	F	6	54.3	Y
232	7	3																			806	731	667	4636	F	6	41.6	N
233	7	3																			880	789	734	5474	M	6	-	-
234	7	3																			788	705	645	4214	F	6	33.4	N
235	7	3																			795	705	645	4106	F	6	42.5	N
236	7	3	04/25/85	11.3	ND	ND	1.17	0.58	1.75	C	T	T	T	T	0.03	0.08	T	0.05	0.07	0.13	830	740	680	4502	F	6	38.9	N
237	7	3																			830	733	682	4038	F	6	49.2	N
238	7	3																			819	735	669	4476	M	6	-	-
239	7	3																			850	753	688	4644	M	6	-	-
240	7	3																			829	740	678	4714	F	6	39.1	N
241	7	3	05/02/85	13.0	ND	ND	1.74	0.87	2.61	C	T	T	T	0.04	0.06	0.17	T	0.06	0.12	0.18	872	782	715	5206	F	2	62.7	N
242	7	3																			794	715	647	4630	M	6	-	-
243	7	3																			850	759	692	5472	F	2	131.9	N
244	7	3																			812	715	656	4996	M	2	-	-
245	7	3																			827	748	683	5478	M	6	-	-
246	7	3	04/25/85	10.9	ND	ND	1.05	0.53	1.58	C	T	T	T	T	0.04	0.08	T	T	0.08	0.12	888	789	730	5652	M	2	-	-
247	7	3																			835	746	680	4794	F	2	60.1	N
248	7	3																			847	751	688	4654	M	6	-	-
249	7	3																			820	729	674	4624	M	6	-	-
250	7	3																			791	713	648	3980	F	6	27.9	N

Appendix Table IV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
251	7	3	04/25/85	6.1	ND	ND	0.87	0.44	1.31		T	T	T	T	T	0.05	T	T	0.05	0.09	821	747	655	4120	F	6	37.7	N
252	7	3																			810	717	656	4206	M	6	-	-
253	7	3																			865	780	712	5670	M	6	-	-
254	7	3																			826	738	679	4838	F	2	54.4	N
255	7	3																			896	798	730	4992	M	6	-	-
256	7	3	05/02/85	7.9	ND	ND	1.40	0.70	2.10	C	T	T	T	0.03	0.05	0.15	T	T	0.08	0.24	808	720	656	4638	M	2	-	-
257	7	3																			940	846	772	5954	M	2	-	-
258	7	3																			843	768	691	5218	F	2	91.1	N
259	7	3																			841	748	690	4716	M	2	-	-
260	7	3																			800	726	657	3770	F	6	29.5	N
261	7	3	05/02/85	14.0	ND	ND	1.47	0.73	2.20	C	T	T	T	T	0.04	0.15	T	T	0.07	0.12	844	750	686	5432	M	2	-	-
262	7	3																			787	700	637	3984	M	6	-	-
263	7	3																			762	680	612	3500	M	6	-	-
264	7	3																			860	789	715	5804	F	2	60.2	N
265	7	3																			846	759	696	5184	M	2	-	-
266	7	3	04/30/85	7.6	ND	ND	0.91	0.45	1.36		T	T	T	0.03	0.05	0.05	T	T	0.08	0.09	865	775	700	4866	M	6	-	-
267	7	3																			793	704	643	3592	F	6	27.3	N
268	7	3																			832	738	674	4260	F	6	28.1	N
269	7	3																			805	726	660	4058	M	6	-	-
270	7	3																			814	725	660	4756	F	6	55.4	N
271	7	3	04/29/85	9.4	ND	ND	1.03	0.51	1.54	C	T	T	T	T	0.04	0.06	T	T	0.08	0.11	925	840	767	6460	F	2	84.6	N
272	7	3																			830	750	680	4542	F	6	46.6	N
273	7	3																			810	719	669	4072	M	6	-	-
274	7	3																			850	773	692	4886	F	6	51.5	N
275	7	3																			846	759	699	4880	F	6	51.7	N
276	7	3	04/29/85	9.5	ND	ND	1.25	0.62	1.87	C	T	T	T	0.03	0.07	0.07	T	0.08	0.12	0.14	870	775	712	5650	M	6	-	-
277	7	3																			830	739	670	4962	M	2	-	-
278	7	3																			840	745	683	4402	M	6	-	-
279	7	3																			839	745	682	4670	F	6	52.1	N
280	7	3																			885	790	725	5204	F	2	55.6	N
281	7	3	04/29/85	6.8	ND	ND	1.07	0.53	1.60	C	T	T	T	T	0.03	0.05	T	0.05	0.08	0.12	881	780	720	5190	F	6	44.1	N
282	7	3																			899	805	737	5470	M	2	-	-
283	7	3																			850	760	702	5264	F	2	60.0	N
284	7	3																			887	799	725	5366	M	6	-	-
285	7	3																			883	785	718	6126	M	2	-	-
286	7	3	04/29/85	8.9	ND	ND	0.91	0.45	1.36		T	T	T	T	0.05	0.05	T	T	0.08	0.10	875	790	720	4850	F	6	58.5	N
287	7	3																			881	776	709	5010	M	6	-	-
288	7	3																			837	755	681	4720	F	6	42.2	N
289	7	3																			843	738	670	4846	F	6	54.2	N
290	7	3																			860	775	704	5414	M	2	-	-
291	7	3	04/29/85	9.3	ND	ND	1.13	0.57	1.70	C	T	T	T	T	0.05	0.06	T	0.05	0.09	0.12	803	720	652	5410	F	6	44.4	N
292	7	3																			824	739	670	4220	M	6	-	-
293	7	3																			876	786	709	5470	M	2	-	-
294	7	3																			875	795	713	5994	M	2	-	-
295	7	3																			841	763	695	5216	F	2	84.1	N
296	7	3	04/29/85	11.4	ND	ND	1.15	0.57	1.72	C	T	T	T	0.03	0.07	0.07	T	0.08	0.12	0.12	850	758	681	5160	M	6	-	-
297	7	3																			755	673	615	3510	M	6	-	-
298	7	3																			861	772	712	5492	F	6	67.2	N
299	7	3																			840	755	694	5174	M	2	-	-
300	7	3																			796	725	655	3914	M	6	-	-

Appendix Table IV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
301	7	3	05/02/85	7.3	ND	ND	0.84	0.42	1.26		T	T	T	T	0.05	0.04	T	0.06	0.09	0.10	879	783	726	5888	F	2	85.4	N
302	7	3																			824	735	678	4532	M	6	-	-
303	7	3																			883	785	724	5570	F	6	48.4	N
304	7	3																			830	750	687	4630	F	6	42.6	N
305	7	3																			860	759	705	5012	M	6	-	-
306	7	3	05/06/85	9.5	ND	ND	1.41	0.70	2.11	C	T	T	T	T	T	0.11	T	T	0.08	0.24	802	718	664	4334	M	6	-	-
307	7	3																			837	733	677	4416	F	6	39.1	N
308	7	3																			850	751	698	4058	M	6	-	-
309	7	3																			825	722	666	4968	M	2	-	-
310	7	3																			911	806	741	6636	F	6	61.2	N
311	7	3	05/06/85	9.8	ND	ND	2.09	1.05	3.14	C	T	T	T	T	0.04	0.17	T	T	0.11	0.30	766	667	610	3638	M	6	-	-
312	7	3																			858	758	692	5300	F	2	137.2	N
313	7	3																			800	712	658	4310	M	2	-	-
314	7	3																			834	738	678	4712	F	6	48.5	N
315	7	3																			945	835	770	6702	M	2	-	-
316	7	3	05/06/85	8.4	ND	ND	1.41	0.71	2.12	C	T	T	T	T	T	0.11	T	T	0.07	0.23	765	680	631	3500	M	6	-	-
317	7	3																			800	709	658	4654	M	2	-	-
318	7	3																			895	792	730	5866	M	6	-	-
319	7	3																			847	748	697	4688	M	6	-	-
320	7	3																			899	802	738	5866	F	2	105.4	N
321	7	3	05/06/85	12.7	ND	ND	1.81	0.91	2.72	C	T	T	T	T	T	0.19	T	T	0.06	0.33	755	668	615	3668	M	6	-	-
322	7	3																			841	748	700	4894	F	6	51.3	N
323	7	3																			901	793	736	5316	F	6	48.4	N
324	7	3																			778	685	633	3702	M	6	-	-
325	7	3																			860	764	712	5130	M	2	-	-
326	7	3	04/30/85	14.7	ND	ND	1.22	0.62	1.84	C	T	T	T	T	0.05	0.09	T	0.05	0.10	0.14	831	745	689	4874	M	6	-	-
327	7	3																			845	746	691	5030	F	6	57.2	N
328	7	3																			856	777	720	5414	F	2	#####	N
329	7	3																			820	733	682	5734	F	2	83.1	N
330	7	3																			822	727	669	4306	M	2	-	-
331	7	3	05/08/85	11.6	ND	ND	1.35	0.68	2.03	C	T	T	T	T	T	0.16	T	T	0.04	0.20	824	729	674	4764	F	6	43.0	N
332	7	3																			867	768	705	4712	F	6	50.1	N
333	7	3																			849	748	693	5116	F	6	39.6	N
334	7	3																			892	792	732	5544	M	2	-	-
335	7	3																			815	719	666	4480	M	2	-	-
336	7	3	05/02/85	16.1	ND	ND	1.08	0.53	1.61	C	T	T	T	0.05	0.13	0.04	0.03	0.12	0.20	0.09	755	669	617	3586	M	2	-	-
337	7	3																			812	711	653	4806	F	6	55.7	N
338	7	3																			830	730	678	4428	F	6	34.7	N
339	7	3																			815	730	669	4488	F	6	44.2	N
340	7	3																			807	711	657	4386	M	6	-	-
341	7	3	05/02/85	9.4	ND	ND	1.08	0.54	1.62	C	T	T	T	T	0.07	0.04	T	0.08	0.11	0.11	815	721	662	4342	F	6	38.7	N
342	7	3																			812	711	659	4026	M	6	-	-
343	7	3																			847	750	682	4782	M	6	-	-
344	7	3																			772	681	629	4064	M	6	-	-
345	7	3																			836	740	685	4506	M	6	-	-
346	7	3	05/02/85	13.7	ND	ND	1.24	0.63	1.87	C	T	T	T	0.03	0.09	0.04	T	0.11	0.14	0.11	762	701	620	3626	M	2	-	-
347	7	3																			852	744	688	4046	M	6	-	-
348	7	3																			820	729	670	4010	M	6	-	-
349	7	3																			805	711	658	4212	F	6	33.3	N
350	7	3																			815	726	669	4878	M	2	-	-

Appendix Table IV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
351	7	3	05/02/85	11.7	ND	ND	1.21	0.60	1.81	C	T	T	T	0.03	0.08	0.05	T	0.08	0.12	0.11	926	825	759	5772	M	6	-	-
352	7	3																			802	706	652	4444	M	6	-	-
353	7	3																			773	685	630	3970	F	6	32.9	N
354	7	3																			825	733	679	5290	F	6	46.5	N
355	7	3																			782	692	636	3030	M	6	-	-

APPENDIX TABLE V.

SITE 7 (North Carolina, April 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
1	10	1	05/15/85	0.9	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	270	237	210	146	U	1	-	-
2	10	1																			310	275	249	216	U	1	-	-
3	10	1																			296	267	234	210	U	1	-	-
4	10	1																			279	245	217	154	U	1	-	-
5	10	1																			259	232	199	138	U	1	-	-
6	10	1	05/15/85	0.5	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	ND	T	T	266	237	208	128	U	1	-	-
7	10	1																			332	293	262	310	U	1	-	-
8	10	1																			332	292	261	384	U	1	-	-
9	10	1																			320	282	252	272	U	1	-	-
10	10	1																			317	284	254	284	U	1	-	-
11	10	1	05/15/85	0.4	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	ND	T	T	337	300	271	306	U	1	-	-
12	10	1																			322	287	254	248	U	1	-	-
13	10	1																			290	255	229	182	U	1	-	-
14	10	1																			261	230	205	130	U	1	-	-
15	10	1																			295	261	232	182	U	1	-	-
16	10	1	05/15/85	1.3	ND	ND	0.32	T	0.52		T	ND	ND	T	T	T	T	ND	T	0.03	289	257	230	176	U	1	-	-
17	10	1																			290	262	236	182	U	1	-	-
18	10	1																			275	243	219	136	U	1	-	-
19	10	1																			303	265	241	200	U	1	-	-
20	10	1																			266	237	210	128	U	1	-	-
21	10	1	05/15/85	1.3	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	299	263	238	202	U	1	-	-
22	10	1																			285	251	227	180	U	1	-	-
23	10	1																			294	258	235	186	U	1	-	-
24	10	1																			325	285	259	260	U	1	-	-
25	10	1																			296	262	237	206	U	1	-	-
26	10	1	05/15/85	0.7	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	285	254	228	172	U	1	-	-
27	10	1																			324	286	257	246	U	1	-	-
28	10	1																			274	243	218	132	U	1	-	-
29	10	1																			272	240	215	146	U	1	-	-
30	10	1																			283	250	224	180	U	1	-	-
31	10	2	05/15/85	0.3	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	ND	T	T	471	415	379	824	U	1	-	-
32	10	2																			486	430	391	904	U	1	-	-
33	10	2																			425	375	340	604	U	1	-	-
34	10	2																			392	349	318	514	U	1	-	-
35	10	2																			460	406	372	746	U	1	-	-
36	10	2	05/17/85	0.9	ND	ND	T	T	0.20		T	ND	T	T	T	T	T	ND	T	T	461	409	371	842	U	1	-	-
37	10	2																			446	392	359	720	U	1	-	-
38	10	2																			460	427	386	904	U	1	-	-
39	10	2																			444	398	361	694	U	1	-	-
40	10	2																			455	403	369	770	U	1	-	-
41	12	2	06/06/85	1.7	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	491	432	390	948	M	1	-	-
42	12	2																			384	340	304	544	F	1	2.0	N
43	12	2																			462	406	371	906	F	1	4.5	N
44	12	2																			385	342	307	540	M	1	-	-
45	12	2																			430	379	340	640	U	1	-	-
46	12	2	06/06/85	0.9	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	363	320	285	420	F	1	2.0	N
47	12	2																			355	305	280	434	M	1	-	-
48	12	2																			360	319	285	430	M	1	-	-
49	12	2																			385	331	301	450	F	1	1.6	N
50	12	2																			375	330	296	406	F	1	2.2	N

Appendix Table V. continued.

Line Number	Location Capture Code	Size Cate gory	Date Analyses Completed	% Lipid	PCB AROCLORS					Confir-mation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Develop ment	OVARY	
					1242	1248	1254	1260	Total		Diel-drin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Reten tion
51	12	2	06/06/85	0.7	ND	ND	T	T	0.20		T	T	T	T	T	T	T	ND	T	T	367	322	291	446	U	1	-	-
52	12	2																			356	313	282	456	U	1	-	-
53	12	2																			390	342	307	542	M	1	-	-
54	12	2																			360	306	285	412	F	1	1.7	N
55	12	2																			413	359	324	658	M	1	-	-
56	12	2	06/06/85	0.7	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	390	344	308	562	M	1	-	-
57	12	2																			396	352	317	580	M	1	-	-
58	12	2																			435	385	350	790	F	1	4.9	N
59	12	2																			370	330	299	442	U	1	-	-
60	12	2																			375	334	300	478	M	1	-	-
61	8	3	05/02/85	7.7	ND	ND	1.12	0.56	1.68	C	T	T	T	T	0.05	0.06	T	0.07	0.09	0.10	861	755	692	4874	F	6	36.8	Y
62	8	3																			855	766	707	5082	M	2	-	-
63	8	3																			802	715	655	4504	M	2	-	-
64	8	3																			842	747	690	4416	M	6	-	-
65	8	3																			805	715	657	4624	M	2	-	-
66	8	3	05/02/85	8.7	ND	ND	1.30	0.65	1.95	C	T	T	T	T	0.04	0.05	T	0.10	0.11	0.09	834	735	672	5094	F	2	102.9	Y
67	8	3																			885	795	730	5910	M	2	-	-
68	8	3																			870	770	711	4982	F	2	50.0	Y
69	8	3																			835	743	686	4004	F	6	32.8	Y
70	8	3																			830	741	681	4870	M	2	-	-
71	8	3	05/02/85	14.4	ND	ND	0.90	0.46	1.36		T	T	T	T	0.04	0.04	T	0.08	0.10	0.09	800	703	644	4474	F	6	36.7	Y
72	8	3																			812	718	656	4492	M	6	-	-
73	8	3																			832	737	676	4418	F	6	43.0	Y
74	8	3																			818	716	658	4494	M	6	-	-
75	8	3																			816	730	675	5020	F	2	61.5	Y
76	8	3	05/07/85	7.5	ND	ND	1.11	0.57	1.68	C	T	T	T	T	0.03	0.07	T	0.07	0.06	0.12	784	700	642	3910	M	6	-	-
77	8	3																			872	769	704	4650	F	6	38.1	Y
78	8	3																			785	699	642	4222	F	6	28.7	Y
79	8	3																			837	744	686	4580	F	6	27.0	Y
80	8	3																			849	752	694	5172	M	6	-	-
81	8	3	05/07/85	10.2	ND	ND	1.00	0.50	1.50		T	T	T	0.05	0.05	0.06	T	0.11	0.09	0.11	834	740	682	4898	M	6	-	-
82	8	3																			885	782	723	6274	F	6	64.2	Y
83	8	3																			843	752	691	4842	F	6	37.4	Y
84	8	3																			815	721	662	4516	M	2	-	-
85	8	3																			832	745	683	4758	F	6	52.9	Y
86	8	3	05/07/85	7.1	ND	ND	1.04	0.52	1.56	C	T	T	T	0.03	0.05	0.07	T	0.09	0.07	0.11	855	751	692	5088	M	3	-	-
87	8	3																			812	713	652	4134	M	6	-	-
88	8	3																			909	817	754	7042	F	2	127.4	Y
89	8	3																			880	788	727	6484	M	2	-	-
90	8	3																			871	778	712	4648	F	6	43.9	Y
91	8	3	05/07/85	11.0	ND	ND	0.93	0.47	1.40		T	T	T	0.04	0.05	0.04	T	0.09	0.09	0.10	854	758	698	5494	F	6	43.7	Y
92	8	3																			862	761	703	5282	F	6	52.3	Y
93	8	3																			858	759	701	5292	F	2	113.6	Y
94	8	3																			853	762	701	4448	F	6	43.9	Y
95	8	3																			815	713	651	4486	M	2	-	-
96	8	3	05/15/85	9.7	ND	ND	1.97	0.98	2.95	C	T	T	T	0.03	0.05	0.12	T	0.06	0.10	0.11	810	703	649	4746	M	2	-	-
97	8	3																			887	788	723	5048	F	6	50.2	Y
98	8	3																			861	762	705	5800	F	2	57.7	Y
99	8	3																			910	797	734	5336	F	6	57.5	Y
100	8	3																			807	704	645	3588	F	6	35.6	Y

Appendix Table V. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	8	3	05/08/85	7.4	ND	ND	1.02	0.51	1.53	C	T	T	T	0.03	0.04	0.06	T	0.06	0.06	0.07	820	731	672	4994	F	2	54.0	Y
102	8	3																			872	772	704	5394	F	2	58.6	Y
103	8	3																			880	780	716	5722	M	2	-	-
104	8	3																			850	755	693	5370	M	2	-	-
105	8	3																			852	761	701	4770	F	6	43.3	Y
106	8	3	05/15/85	11.5	ND	ND	1.63	0.81	2.44	C	T	T	T	T	0.03	0.13	T	T	0.11	0.08	823	735	677	4586	F	6	38.5	Y
107	8	3																			797	705	650	4230	M	6	-	-
108	8	3																			863	765	701	5594	M	2	-	-
109	8	3																			815	728	673	4354	M	6	-	-
110	8	3																			963	859	792	7380	F	2	121.7	Y
111	8	3	05/08/85	8.9	ND	ND	1.31	0.66	1.97	C	T	T	T	T	T	0.08	T	T	0.08	0.13	912	807	741	5612	F	2	58.9	Y
112	8	3																			876	780	720	5964	M	2	-	-
113	8	3																			800	707	647	4992	M	2	-	-
114	8	3																			822	724	662	4192	F	6	37.6	Y
115	8	3																			860	766	702	5018	F	2	53.3	Y
116	8	3	05/08/85	6.6	ND	ND	0.86	0.43	1.29		T	T	T	T	0.03	0.06	T	T	0.07	0.10	792	702	648	4372	M	6	-	-
117	8	3																			831	741	677	4392	M	6	-	-
118	8	3																			877	772	711	4946	F	6	47.5	Y
119	8	3																			882	779	720	5998	M	6	-	-
120	8	3																			825	735	675	4482	F	6	40.7	Y
121	8	3	05/08/85	6.6	ND	ND	1.22	0.61	1.83	C	T	T	T	T	0.04	0.08	T	T	0.09	0.14	800	706	650	3964	F	6	40.9	Y
122	8	3																			874	777	716	6088	F	2	64.9	Y
123	8	3																			900	806	744	5976	F	2	76.0	Y
124	8	3																			910	798	732	4850	F	6	39.3	Y
125	8	3																			815	725	666	4404	M	6	-	-
126	8	3	05/08/85	7.7	ND	ND	1.97	0.98	2.96	C	T	T	T	T	T	0.13	T	T	0.07	0.12	875	776	712	5732	F	2	92.2	Y
127	8	3																			828	718	659	4290	F	6	27.7	Y
128	8	3																			870	768	701	5470	M	6	-	-
129	8	3																			810	724	666	4382	M	6	-	-
130	8	3																			879	790	726	5848	M	3	-	-
131	8	3	05/08/85	5.7	ND	ND	1.13	0.57	1.70	C	T	T	T	T	T	0.07	T	T	0.05	0.11	909	805	740	5606	F	6	53.7	Y
132	8	3																			803	703	642	4724	F	6	39.3	Y
133	8	3																			861	763	702	5834	F	2	65.9	Y
134	8	3																			837	741	680	4084	M	3	-	-
135	8	3																			850	753	690	4716	F	6	47.6	Y
136	8	3	05/08/85	7.6	ND	ND	0.96	0.48	1.44		T	T	T	T	0.03	0.07	T	T	0.06	0.11	840	736	676	5260	F	6	48.4	Y
137	8	3																			854	755	690	5162	F	6	54.4	Y
138	8	3																			935	830	772	6036	F	2	60.3	Y
139	8	3																			876	795	718	5386	F	6	54.1	Y
140	8	3																			796	700	650	3962	F	6	20.7	Y
141	9	3	05/20/85	9.1	ND	ND	1.93	0.96	2.89	C	T	T	T	0.03	0.07	0.12	T	0.06	0.14	0.20	796	721	661	4388	F	6	28.5	Y
142	9	3																			832	739	683	4800	F	6	34.1	Y
143	9	3																			842	760	695	5134	F	2	68.7	Y
144	9	3																			846	755	695	5252	F	6	58.8	Y
145	9	3																			830	739	682	4724	M	6	-	-
146	9	3	05/10/85	9.5	ND	ND	1.22	0.61	1.83	C	T	T	T	T	0.05	0.07	T	0.06	0.10	0.12	930	832	755	5876	F	2	70.0	Y
147	9	3																			822	724	666	4726	M	6	-	-
148	9	3																			835	748	680	4738	M	2	-	-
149	9	3																			799	719	656	4264	M	6	-	-
150	9	3																			835	742	685	5032	M	6	-	-

Appendix Table V. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
151	9	3	05/10/85	10.5	ND	ND	0.93	0.46	1.39		T	T	T	T	0.03	0.06	T	T	0.06	0.11	904	815	742	6302	F	6	49.3	Y
152	9	3																			780	695	640	3744	M	6	-	-
153	9	3																			830	735	685	5056	M	2	-	-
154	9	3																			825	725	674	4520	F	2	111.6	Y
155	9	3																			861	761	705	5366	M	6	-	-
156	9	3	05/10/85	9.5	ND	ND	1.22	0.61	1.83	C	T	T	T	T	0.04	0.07	T	T	0.08	0.12	815	728	673	4326	M	6	-	-
157	9	3																			817	727	671	4466	F	6	20.6	Y
158	9	3																			855	761	700	5540	M	2	-	-
159	9	3																			875	778	715	5606	F	6	64.7	Y
160	9	3																			821	734	671	5006	M	2	-	-
161	9	3	05/10/85	8.5	ND	ND	0.92	0.46	1.38		T	T	T	T	0.03	0.05	T	T	0.05	0.09	825	716	657	4366	M	6	-	-
162	9	3																			863	774	710	5202	F	6	50.0	Y
163	9	3																			847	759	698	5350	F	2	113.6	Y
164	9	3																			833	745	680	4314	F	6	39.6	Y
165	9	3																			896	798	737	6610	F	2	130.0	Y
166	9	3	05/23/85	14.8	ND	ND	1.64	0.82	2.46	C	T	T	T	T	0.04	0.12	T	0.06	0.07	0.23	829	737	675	5230	M	2	-	-
167	9	3																			821	733	670	4700	M	6	-	-
168	9	3																			875	777	720	5830	F	2	69.0	Y
169	9	3																			838	755	694	4744	F	6	42.0	Y
170	9	3																			815	745	689	5020	M	2	-	-
171	9	3	05/22/85	7.4	ND	ND	1.59	0.80	2.39	C	T	T	T	T	0.04	0.16	T	T	0.08	0.34	850	752	701	4720	M	2	-	-
172	9	3																			777	690	629	3722	F	6	31.3	Y
173	9	3																			773	684	625	3926	M	6	-	-
174	9	3																			822	725	662	4682	M	2	-	-
175	9	3																			785	696	642	3962	M	6	-	-
176	9	3	05/10/85	13.8	ND	ND	0.92	0.46	1.38		T	T	T	T	0.03	0.06	T	T	0.05	0.10	773	685	632	3870	F	6	24.6	Y
177	9	3																			840	739	681	4930	M	3	-	-
178	9	3																			783	699	639	4420	M	2	-	-
179	9	3																			832	741	682	4832	F	2	81.7	Y
180	9	3																			835	737	682	4970	M	6	-	-
181	9	3	05/29/85	10.1	ND	ND	1.50	0.75	2.25	C	T	T	T	T	0.04	0.15	T	0.05	0.10	0.28	785	697	639	4134	F	6	36.6	Y
182	9	3																			841	747	692	4470	M	6	-	-
183	9	3																			836	763	692	4964	M	2	-	-
184	9	3																			845	760	706	5114	M	6	-	-
185	9	3																			834	751	689	5296	M	2	-	-
186	9	3	05/28/85	11.1	ND	ND	1.51	0.76	2.27	C	T	T	T	T	0.03	0.09	T	T	0.08	0.23	813	727	666	4552	F	6	37.7	Y
187	9	3																			813	721	659	5120	M	3	-	-
188	9	3																			895	787	722	5320	F	6	25.9	Y
189	9	3																			864	759	697	5576	M	6	-	-
190	9	3																			813	731	674	4952	M	3	-	-
191	9	3	05/16/85	11.7	ND	ND	1.27	0.64	1.91	C	T	T	T	T	0.04	0.07	T	T	0.08	0.12	840	745	682	4470	F	6	36.7	Y
192	9	3																			840	742	689	5096	F	6	39.2	Y
193	9	3																			850	751	698	4992	F	6	47.8	Y
194	9	3																			807	714	651	4460	M	6	-	-
195	9	3																			893	800	731	5740	F	2	76.3	Y
196	9	3	05/28/85	11.1	ND	ND	1.39	0.70	2.09	C	T	T	T	T	0.04	0.09	T	T	0.09	0.22	924	814	749	6578	M	2	-	-
197	9	3																			810	718	661	4548	F	6	-	N
198	9	3																			862	762	699	5764	M	6	-	-
199	9	3																			789	697	642	3666	M	6	-	-
200	9	3																			846	754	692	4970	F	6	38.4	Y

Appendix Table V. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
201	9	3	05/16/85	7.6	ND	ND	1.02	0.51	1.53	C	T	T	T	T	0.03	0.07	T	T	0.07	0.12	811	707	649	4462	F	6	50.1	Y
202	9	3																			788	707	651	4422	F	6	50.3	Y
203	9	3																			831	732	677	4286	F	6	38.5	Y
204	9	3																			872	780	719	5270	M	6	-	-
205	9	3																			846	751	687	5014	M	2	-	-
206	9	3	05/28/85	14.7	ND	ND	1.44	0.73	2.17	C	T	T	T	T	0.04	0.09	T	T	0.09	0.22	802	706	647	3916	F	6	32.5	Y
207	9	3																			861	767	711	5902	F	2	60.4	Y
208	9	3																			840	742	691	4826	F	6	44.6	Y
209	9	3																			839	745	686	5050	F	6	51.4	Y
210	9	3																			818	733	672	5130	F	6	46.4	Y
211	9	3	05/17/85	15.2	ND	ND	1.31	0.65	1.96	C	T	T	T	0.03	0.04	0.08	T	T	0.10	0.12	790	717	659	4702	M	2	-	-
212	9	3																			940	831	762	6324	F	6	55.5	Y
213	9	3																			888	788	731	5336	F	6	-	N
214	9	3																			822	723	661	4482	F	6	49.4	N
215	9	3																			804	711	657	4018	M	6	-	-
216	9	3	05/29/85	11.9	ND	ND	2.17	1.08	3.25	C	T	T	T	T	0.03	0.09	T	T	0.08	0.07	802	710	652	4282	F	6	41.9	N
217	9	3																			801	715	661	4552	M	6	-	-
218	9	3																			836	750	687	4730	F	6	62.0	N
219	9	3																			797	706	651	3954	M	6	-	-
220	9	3																			826	736	681	5074	M	2	-	-
221	9	3	05/28/85	9.5	ND	ND	1.53	0.76	2.29	C	T	T	T	T	0.03	0.10	T	T	0.08	0.22	882	773	712	5552	M	2	-	-
222	9	3																			798	707	651	4140	M	6	-	-
223	9	3																			827	732	672	4552	F	6	42.2	N
224	9	3																			822	733	669	4564	F	6	29.5	N
225	9	3																			916	813	753	6098	F	2	57.4	N
226	9	3	05/17/85	7.6	ND	ND	0.89	0.44	1.33		T	T	T	T	T	0.05	T	T	0.05	0.10	825	735	677	4924	F	6	42.2	N
227	9	3																			842	755	701	4772	M	6	-	-
228	9	3																			827	727	672	4668	M	6	-	-
229	9	3																			852	752	691	5058	F	2	56.7	N
230	9	3																			821	729	671	4968	M	2	-	-
231	9	3	05/29/85	13.5	ND	ND	1.52	0.76	2.28	C	T	T	T	T	0.03	0.15	T	T	0.10	0.15	842	744	690	5130	M	2	-	-
232	9	3																			900	798	739	6252	F	2	198.5	N
233	9	3																			862	773	711	6600	F	2	73.2	N
234	9	3																			867	765	704	5430	F	6	54.7	N
235	9	3																			820	735	681	4946	M	6	-	-
236	11	3	05/17/85	5.8	ND	ND	1.20	0.60	1.80	C	T	T	T	T	T	0.07	T	T	0.06	0.13	790	696	634	3796	F	6	42.9	Y
237	11	3																			866	769	713	5664	F	2	108.1	Y
238	11	3																			842	775	707	4902	M	2	-	-
239	11	3																			859	760	702	5046	F	6	61.8	Y
240	11	3																			940	841	782	5820	M	6	-	-
241	11	3	05/23/85	5.9	ND	ND	0.85	0.42	1.27		T	T	T	T	T	0.05	T	T	0.06	0.08	855	758	700	4952	F	2	83.2	Y
242	11	3																			890	797	732	5276	F	6	68.4	Y
243	11	3																			815	729	664	4584	F	6	54.7	Y
244	11	3																			870	769	702	4876	F	6	64.3	Y
245	11	3																			810	718	665	4514	F	6	35.7	Y
246	11	3	05/23/85	3.8	ND	ND	0.92	0.45	1.37		T	T	T	T	T	0.05	T	T	0.06	0.09	812	738	668	4128	M	6	-	-
247	11	3																			895	798	736	5104	F	6	50.9	Y
248	11	3																			831	733	670	3980	M	6	-	-
249	11	3																			830	735	675	4760	M	2	-	-
250	11	3																			845	755	689	4412	F	6	49.1	Y

Appendix Table V. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
251	11	3	05/23/85	6.7	ND	ND	0.86	0.43	1.29		T	T	T	T	T	0.04	T	T	0.06	0.09	921	817	750	6044	F	2	113.0	Y
252	11	3																			845	741	676	4640	F	6	54.9	Y
253	11	3																			770	693	630	3526	M	6	-	-
254	11	3																			803	709	653	3086	F	6	34.0	Y
255	11	3																			850	761	701	4624	M	6	-	-
256	11	3	05/23/85	3.4	ND	ND	1.10	0.55	1.65	C	T	T	T	T	T	0.05	T	T	0.05	0.09	807	714	654	3736	M	6	-	-
257	11	3																			822	730	670	4426	M	2	-	-
258	11	3																			798	700	649	4010	M	2	-	-
259	11	3																			857	755	696	4612	M	6	-	-
260	11	3																			805	716	657	4172	M	2	-	-
261	11	3	05/23/85	7.2	ND	ND	1.12	0.55	1.67	C	T	T	T	T	T	0.06	T	T	0.07	0.13	832	743	682	4962	M	2	-	-
262	11	3																			853	749	692	4420	F	6	40.0	Y
263	11	3																			775	695	630	3020	M	6	-	-
264	11	3																			855	770	720	5102	F	6	56.5	Y
265	11	3																			896	803	751	6240	F	2	95.8	Y
266	11	3	05/23/85	7.0	ND	ND	1.05	0.53	1.58	C	T	T	T	T	T	0.07	T	T	0.06	0.11	795	714	661	4426	F	6	57.7	N
267	11	3																			854	765	695	4712	F	2	57.7	N
268	11	3																			877	784	720	5170	F	6	47.3	N
269	11	3																			882	785	724	5492	F	6	59.4	N
270	11	3																			882	784	727	5832	F	2	96.6	N
271	11	3	05/23/85	5.9	ND	ND	1.12	0.56	1.68	C	T	T	T	T	T	0.06	T	T	0.05	0.10	862	762	693	5094	F	2	59.8	N
272	11	3																			781	684	631	3564	M	6	-	-
273	11	3																			774	680	626	3860	M	6	-	-
274	11	3																			859	769	705	4750	U	0	-	-
275	11	3																			856	760	700	4830	F	6	43.2	N
276	11	3	05/23/85	5.2	ND	ND	1.02	0.51	1.53	C	T	T	T	T	T	0.05	T	T	0.06	0.10	851	760	695	5252	F	6	65.3	N
277	11	3																			875	765	710	5596	F	6	55.3	N
278	11	3																			920	823	762	5818	F	6	72.2	N
279	11	3																			795	700	645	3974	F	6	36.4	N
280	11	3																			807	710	654	4018	F	6	51.3	N
281	11	3	05/29/85	10.9	ND	ND	1.21	0.61	1.82	C	T	T	T	T	0.03	0.07	T	T	0.09	0.14	840	754	687	4920	F	2	61.6	N
282	11	3																			855	755	697	5260	M	2	-	-
283	11	3																			845	750	692	4000	F	6	44.0	N
284	11	3																			860	770	713	5802	F	2	141.3	N
285	11	3																			846	758	696	4516	M	6	-	-
286	11	3	05/29/85	8.1	ND	ND	1.29	0.64	1.93	C	T	T	T	T	0.04	0.08	T	T	0.08	0.13	832	746	680	4334	F	6	37.5	N
287	11	3																			816	724	660	5024	M	2	-	-
288	11	3																			936	838	765	7096	F	2	229.3	N
289	11	3																			846	760	702	4958	F	6	67.7	N
290	11	3																			858	766	695	4884	F	6	57.6	N
291	11	3	06/12/85	10.1	ND	ND	1.53	0.76	2.29	C	T	T	T	T	0.04	0.15	T	T	0.10	0.28	800	701	644	5100	F	2	90.0	N
292	11	3																			900	806	740	4976	F	6	48.2	N
293	11	3																			960	852	785	7414	F	2	146.1	N
294	11	3																			851	754	705	4882	F	6	53.3	N
295	11	3																			888	788	720	5594	F	6	56.3	N
296	11	3	05/29/85	8.5	ND	ND	1.13	0.57	1.70	C	T	T	T	T	0.03	0.07	T	T	0.08	0.13	806	713	655	4224	F	6	37.2	N
297	11	3																			830	739	674	4524	M	6	-	-
298	11	3																			845	755	695	5006	F	6	56.6	N
299	11	3																			810	709	653	4278	F	2	72.6	N
300	11	3																			895	787	728	5852	F	2	84.2	N

Appendix Table V. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
301	11	3	05/29/85	5.3	ND	ND	0.99	0.50	1.49		T	T	T	T	T	0.06	T	T	0.06	0.10	850	771	710	5666	F	6	70.0	N
302	11	3																			837	757	695	4460	F	6	37.0	N
303	11	3																			850	759	698	4360	F	6	38.1	N
304	11	3																			880	780	719	4060	F	6	39.2	N
305	11	3																			785	700	645	3712	M	6	-	-
306	11	3	05/29/85	5.9	ND	ND	1.29	0.64	1.93	C	T	T	T	T	0.03	0.07	T	T	0.08	0.12	810	738	681	4596	M	2	-	-
307	11	3																			866	770	712	4520	M	6	-	-
308	11	3																			853	763	696	5140	F	6	46.9	N
309	11	3																			821	737	673	4764	M	2	-	-
310	11	3																			875	772	710	5166	M	6	-	-
311	11	3	05/29/85	5.0	ND	ND	1.25	0.62	1.87	C	T	T	T	T	0.03	0.06	T	T	0.08	0.12	823	725	666	4370	M	6	-	-
312	11	3																			870	770	705	5092	F	6	53.5	N
313	11	3																			835	746	680	4414	M	6	-	-
314	11	3																			830	736	670	4630	F	6	34.5	N
315	11	3																			769	671	625	3640	F	6	30.4	N
316	11	3	06/04/85	6.4	ND	ND	0.77	0.38	1.15		T	T	T	T	0.03	0.04	T	T	0.07	0.08	795	709	646	4420	F	6	46.2	N
317	11	3																			825	739	684	5090	F	6	60.1	N
318	11	3																			900	798	735	6060	F	2	104.6	N
319	11	3																			822	728	663	4230	F	6	32.6	N
320	11	3																			867	770	710	4764	F	6	45.1	N
321	11	3	05/29/85	5.2	ND	ND	1.13	0.57	1.70	C	T	T	T	T	0.04	0.07	T	T	0.09	0.12	830	735	674	4438	M	6	-	-
322	11	3																			900	799	740	6106	F	2	134.2	N
323	11	3																			815	725	671	4314	M	6	-	-
324	11	3																			855	750	696	4426	M	6	-	-
325	11	3																			808	710	655	3570	M	6	-	-
326	11	3	06/04/85	5.5	ND	ND	1.05	0.53	1.58	C	T	T	T	T	0.03	0.06	T	0.05	0.07	0.12	850	749	695	4610	M	2	-	-
327	11	3																			890	788	720	5186	F	2	104.2	N
328	11	3																			890	795	735	5254	F	6	56.0	N
329	11	3																			850	753	696	5102	F	6	51.1	N
330	11	3																			844	747	685	4634	M	6	-	-
331	11	3	06/04/85	4.4	ND	ND	0.85	0.42	1.27		T	T	T	T	0.03	0.05	T	0.05	0.05	0.09	832	733	680	4644	M	6	-	-
332	11	3																			906	809	741	5784	F	2	75.6	N
333	11	3																			804	714	656	3762	M	6	-	-
334	11	3																			848	746	682	4916	F	2	121.9	N
335	11	3																			926	819	753	6388	F	2	133.1	N
336	11	3	06/04/85	10.2	ND	ND	1.21	0.61	1.82	C	T	T	T	T	0.04	0.08	T	0.06	0.09	0.14	860	760	696	5160	F	2	86.7	N
337	11	3																			856	762	701	5340	F	6	65.1	N
338	11	3																			824	738	679	4774	M	6	-	-
339	11	3																			881	793	727	5652	F	2	76.4	N
340	11	3																			908	808	744	5368	F	2	67.9	N
341	11	3	06/04/85	7.4	ND	ND	0.88	0.44	1.32		T	T	T	T	T	0.05	T	T	0.06	0.10	921	820	752	6522	F	2	93.5	N
342	11	3																			901	799	731	6170	F	2	71.5	N
343	11	3																			868	781	716	5150	F	2	54.4	N
344	11	3																			909	826	761	5794	F	6	65.2	N
345	11	3																			836	741	681	5176	F	2	61.6	N
346	11	3	06/04/85	2.7	ND	ND	0.82	0.41	1.23		T	T	T	T	T	0.04	T	T	T	0.09	845	755	694	5158	F	2	89.2	N
347	11	3																			837	749	686	4304	M	6	-	-
348	11	3																			876	790	724	4414	M	6	-	-
349	11	3																			844	750	689	4610	M	6	-	-
350	11	3																			910	807	746	5996	F	2	83.6	N

Appendix Table V. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
351	11	3	06/04/85	7.6	ND	ND	1.06	0.53	1.59	C	T	T	T	T	T	0.07	T	T	T	0.11	833	739	676	4964	M	6	-	-
352	11	3																			876	777	719	4790	M	6	-	-
353	11	3																			880	792	727	5450	F	2	68.0	N
354	11	3																			843	745	681	4720	F	6	48.3	N
355	11	3																			832	740	676	4922	F	6	53.7	N
356	11	3	06/12/85	7.6	ND	ND	1.91	0.85	2.76	C	T	T	T	T	0.05	0.17	T	0.05	0.12	0.30	855	751	693	4506	F	6	45.4	N
357	11	3																			827	731	659	4234	F	6	39.6	N
358	11	3																			870	769	711	5072	F	6	62.2	N
359	11	3																			852	753	691	4712	M	6	-	-
360	11	3																			825	740	680	4704	F	6	43.9	N
361	11	3	06/06/85	8.6	ND	ND	1.14	0.57	1.71	C	T	T	T	T	T	0.06	T	ND	T	0.09	760	677	616	3940	M	2	-	-
362	11	3																			815	720	661	3980	M	6	-	-
363	11	3																			865	780	714	5260	F	6	58.4	N
364	11	3																			769	680	621	3552	F	6	38.2	N
365	11	3																			854	767	704	4790	M	2	-	-
366	11	3	06/06/85	5.3	ND	ND	1.26	0.64	1.90	C	ND	ND	T	T	T	0.05	T	ND	T	0.10	874	786	719	5722	F	2	71.9	N
367	11	3																			876	774	711	4260	F	6	54.5	N
368	11	3																			856	760	699	4846	F	6	58.0	N
369	11	3																			842	752	686	4738	F	6	57.5	N
370	11	3																			825	729	670	4688	M	6	-	-
371	11	3	06/06/85	7.7	ND	ND	1.04	0.52	1.56	C	T	T	T	T	0.03	0.06	T	T	0.08	0.11	800	717	659	4486	M	2	-	-
372	11	3																			823	732	674	4210	M	2	-	-
373	11	3																			860	758	695	5210	F	2	60.0	N
374	11	3																			807	717	656	3948	M	2	-	-
375	11	3																			880	791	722	4972	F	6	48.2	N
376	11	3	06/06/85	15.0	ND	ND	0.90	0.45	1.35		T	T	T	T	T	0.05	T	T	0.06	0.10	871	780	716	5328	M	3	-	-
377	11	3																			797	705	649	3944	F	6	40.6	N
378	11	3																			860	759	693	4856	M	6	-	-
379	11	3																			850	749	687	5242	F	2	65.3	N
380	11	3																			881	772	706	4858	F	2	65.1	N
381	11	3	06/06/85	4.3	ND	ND	0.82	0.42	1.24		T	T	T	T	T	0.04	T	T	0.06	0.08	931	830	762	6240	F	6	65.3	N
382	11	3																			870	770	710	5132	M	6	-	-
383	11	3																			865	760	690	4722	F	2	102.0	N
384	11	3																			867	760	693	5434	F	6	66.1	N
385	11	3																			763	677	621	3434	M	6	-	-

APPENDIX TABLE VI.

SITE 8 (Maryland/Virginia, May 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
1	20	*1	07/03/85	1.1	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	ND	T	T	345	299	271	408	U	1	-	-
2	20	1																			338	285	256	336	U	1	-	-
3	20	1																			316	280	250	382	U	1	-	-
4	20	1																			334	295	261	390	U	1	-	-
5	20	1																			325	286	252	370	U	1	-	-
6	34	1	09/25/85	1.2	ND	ND	T	T	0.20		T	ND	ND	ND	T	T	ND	ND	T	T	303	266	240	276	U	1	-	-
7	34	1																			297	266	242	272	U	1	-	-
8	34	1																			306	278	244	300	U	1	-	-
9	34	1																			280	248	220	228	U	1	-	-
10	34	1																			294	259	232	256	U	1	-	-
11	34	1	09/25/85	1.1	ND	ND	T	T	0.20		T	ND	ND	ND	T	T	ND	ND	T	T	320	284	255	326	U	1	-	-
12	34	1																			300	269	238	246	U	1	-	-
13	34	1																			328	289	261	366	U	1	-	-
14	34	1																			312	273	244	272	U	1	-	-
15	34	1																			342	299	270	392	U	1	-	-
16	34	1	09/25/85	1.5	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	285	252	224	234	U	1	-	-
17	34	1																			296	260	235	258	U	1	-	-
18	34	1																			333	290	262	348	U	1	-	-
19	34	1																			329	290	260	378	U	1	-	-
20	34	1																			313	275	246	310	U	1	-	-
21	34	1	09/24/85	1.6	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	320	280	255	340	U	1	-	-
22	34	1																			322	280	253	350	U	1	-	-
23	34	1																			300	265	240	262	U	1	-	-
24	34	1																			321	284	260	342	F	1	1.7	N
25	34	1																			300	265	238	272	U	1	-	-
26	34	1	09/25/85	1.1	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	319	283	255	360	F	1	1.3	N
27	34	1																			320	280	252	336	U	1	-	-
28	34	1																			305	260	240	280	U	1	-	-
29	34	1																			320	275	252	286	U	1	-	-
30	34	1																			280	250	221	222	U	1	-	-
31	34	1	09/25/85	0.8	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	288	251	225	236	U	1	-	-
32	34	1																			292	256	231	220	M	1	-	-
33	34	1																			326	288	255	346	U	1	-	-
34	34	1																			333	295	265	320	F	1	1.0	N
35	34	1																			301	265	240	250	U	1	-	-
36	20	2	07/03/85	0.8	ND	ND	T	T	0.20		T	T	ND	T	T	T	ND	ND	T	T	504	449	404	1172	U	1	-	-
37	20	2																			449	395	351	814	U	1	-	-
38	20	2																			450	394	355	810	F	1	5.4	Y
39	20	2																			430	381	342	726	F	1	5.1	Y
40	20	2																			519	460	417	1000	F	1	4.7	Y
41	20	2	07/03/85	0.5	ND	ND	T	T	0.20		ND	T	ND	T	T	T	ND	ND	T	T	480	426	381	810	U	1	-	-
42	20	2																			463	412	369	922	U	1	-	-
43	20	2																			444	392	352	792	U	1	-	-
44	20	2																			484	426	381	976	U	1	-	-
45	20	2																			452	400	359	766	U	1	-	-
46	20	2	07/03/85	0.4	ND	ND	T	T	0.20		ND	T	ND	T	T	T	ND	ND	T	T	465	409	366	932	U	1	-	-
47	20	2																			407	358	321	660	U	1	-	-
48	20	2																			454	398	357	836	U	1	-	-
49	20	2																			457	406	362	810	U	1	-	-
50	20	2																			450	419	381	884	F	1	4.3	N

Appendix Table VI. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	20	2	07/03/85	0.4	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	ND	T	T	473	419	374	946	U	1	-	-
52	20	2																			455	402	362	790	U	1	-	-
53	20	2																			435	386	346	688	U	1	-	-
54	20	2																			430	376	330	786	M	1	-	-
55	20	2																			463	412	371	808	F	1	4.3	Y
56	20	2	07/03/85	0.6	ND	ND	T	T	0.20		ND	T	ND	T	T	T	ND	ND	T	T	466	411	369	852	U	1	-	-
57	20	2																			440	390	349	780	U	1	-	-
58	20	2																			454	403	361	776	U	1	-	-
59	20	2																			445	398	352	784	U	1	-	-
60	20	2																			465	411	372	882	U	1	-	-
61	20	2	07/03/85	0.3	ND	ND	T	T	0.20		ND	T	T	T	T	T	T	ND	T	T	456	400	357	820	U	1	-	-
62	20	2																			450	398	356	770	F	1	3.2	N
63	20	2																			472	417	371	902	U	1	-	-
64	20	2																			382	337	301	558	U	1	-	-
65	20	2																			460	405	363	814	U	1	-	-
66	34	2	09/27/85	1.3	ND	ND	T	T	0.20		T	ND	ND	ND	T	T	ND	ND	T	T	390	346	311	550	U	1	-	-
67	34	2																			391	345	312	612	F	1	3.3	Y
68	34	2																			386	344	311	560	M	1	-	-
69	34	2																			346	303	270	418	F	1	1.6	N
70	34	2																			372	320	294	568	U	1	-	-
71	34	2	09/27/85	1.0	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	350	309	276	404	F	1	1.6	N
72	34	2																			489	430	385	1124	F	1	5.6	Y
73	34	2																			380	335	298	604	F	1	2.9	N
74	34	2																			493	435	392	1062	F	1	4.0	N
75	34	2																			394	349	315	606	U	1	-	-
76	34	2	09/25/85	0.9	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	521	461	416	1246	M	1	-	-
77	34	2																			408	360	322	712	M	2	-	-
78	34	2																			370	328	291	502	U	1	-	-
79	34	2																			377	330	296	532	F	1	2.0	N
80	34	2																			411	366	324	700	F	1	3.1	N
81	34	2	09/25/85	1.0	ND	ND	T	T	0.20		T	ND	ND	ND	T	T	ND	ND	T	T	345	303	267	394	F	1	3.2	N
82	34	2																			479	420	381	1036	F	1	3.6	N
83	34	2																			432	380	340	748	F	1	2.5	N
84	34	2																			379	335	300	540	U	1	-	-
85	34	2																			377	331	291	550	F	1	1.0	N

APPENDIX TABLE VII.

SITE 9 (New York Bight, May-June 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Condition	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
1	14	1	06/20/85	1.2	ND	ND	T	T	0.20		T	T	T	T	T	T	T	ND	T	T	342	260	239	220	U	1	-	-
2	14	1																			326	291	265	314	U	1	-	-
3	14	1																			280	248	224	190	U	1	-	-
4	14	1																			284	250	225	202	U	1	-	-
5	14	1																			275	241	217	192	U	1	-	-
6	24	1	08/06/85	2.6	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	0.03	323	297	257	332	U	1	-	-
7	24	1																			285	249	223	220	F	1	3.4	N
8	24	1																			299	261	235	274	M	2	-	-
9	24	1																			321	281	253	330	F	1	2.3	N
10	24	1																			276	246	218	182	U	1	-	-
11	24	1	08/06/85	2.3	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	0.03	305	270	242	284	F	1	2.2	N
12	24	1																			281	245	220	222	U	1	-	-
13	24	1																			320	280	252	302	F	1	1.6	N
14	24	1																			288	255	229	236	M	1	-	-
15	24	1																			343	299	273	382	U	1	-	-
16	27	1	08/14/85	1.8	ND	ND	0.30	T	0.50		T	T	T	T	T	T	T	T	T	0.03	317	281	253	314	U	1	-	-
17	27	1																			310	271	245	276	U	1	-	-
18	27	1																			292	250	232	240	U	1	-	-
19	27	1																			295	259	233	268	U	1	-	-
20	27	1																			299	260	236	270	U	1	-	-
21	27	1	08/14/85	2.1	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	0.03	284	251	222	232	U	1	-	-
22	27	1																			326	287	256	322	U	1	-	-
23	27	1																			308	275	240	316	U	1	-	-
24	27	1																			287	253	227	234	U	1	-	-
25	27	1																			300	270	240	264	U	1	-	-
26	27	1	08/14/85	1.7	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	0.03	284	250	226	216	U	1	-	-
27	27	1																			285	254	223	256	U	1	-	-
28	27	1																			300	271	241	298	U	1	-	-
29	27	1																			318	280	250	304	U	1	-	-
30	27	1																			293	260	232	242	M	1	-	-
31	14	2	06/20/85	1.2	ND	ND	T	T	0.60		T	T	T	T	T	T	T	ND	T	T	522	465	421	1404	U	1	-	-
32	14	2																			554	494	454	1652	U	1	-	-
33	14	2																			465	410	373	954	U	1	-	-
34	014	2																			520	460	418	1302	U	1	-	-
35	14	2																			455	401	362	870	U	1	-	-
36	16	2	06/27/85	2.0	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	470	420	381	924	U	1	-	-
37	16	2																			520	463	421	1304	F	6	5.7	Y
38	16	2																			498	440	402	1210	M	6	-	-
39	16	2																			531	477	439	1436	F	6	8.6	Y
40	16	2																			485	432	393	1102	U	1	-	-
41	24	2	07/31/85	1.7	ND	ND	0.36	T	0.56		T	T	T	T	T	T	T	T	T	0.04	490	435	395	1150	F	1	5.9	N
42	24	2																			473	410	380	914	F	1	4.4	N
43	24	2																			450	400	364	826	M	1	-	-
44	24	2																			361	320	285	460	M	1	-	-
45	24	2																			487	429	391	992	U	1	-	-
46	24	2	08/06/85	1.2	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	350	312	283	430	F	1	3.8	N
47	24	2																			460	409	370	836	M	1	-	-
48	24	2																			455	405	363	830	F	1	3.3	N
49	24	2																			400	356	323	652	F	1	6.2	N
50	24	2																			470	410	373	896	M	1	-	-

Appendix Table VII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	24	2	06/06/85	2.3	ND	ND	0.41	T	0.61		T	T	T	T	T	T	T	T	T	0.04	364	320	290	462	M	1	-	-
52	24	2																			362	316	285	446	M	1	-	-
53	24	2																			475	419	376	900	M	1	-	-
54	24	2																			390	346	313	560	U	1	-	-
55	24	2																			522	458	416	1454	F	1	6.2	N
56	24	2	06/06/85	1.4	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	450	403	365	868	U	1	-	-
57	024	2																			467	419	377	972	F	1	3.6	N
58	24	2																			400	425	385	952	U	1	-	-
59	24	2																			388	338	305	552	F	1	5.1	N
60	24	2																			490	436	395	1110	U	1	-	-
61	14	3	06/20/85	4.9	ND	ND	0.88	0.44	1.32		T	T	T	T	T	0.04	T	ND	T	0.07	710	630	576	3058	F	6	26.9	Y
62	14	3																			662	589	542	2406	M	6	-	-
63	14	3																			600	534	485	1936	M	6	-	-
64	14	3																			590	516	470	1700	U	1	-	-
65	14	3																			644	569	513	2464	U	1	-	-
66	15	3	06/20/85	4.1	ND	ND	0.64	0.32	0.96		T	T	T	T	T	0.03	T	T	0.04	0.06	715	628	572	2842	F	6	16.3	Y
67	15	3																			707	635	578	2792	F	6	21.6	Y
68	15	3																			706	629	566	3006	M	2	-	-
69	15	3																			698	618	561	2854	M	6	-	-
70	15	3																			709	622	573	2766	M	6	-	-
71	15	3	06/20/85	4.0	ND	ND	0.55	T	0.75		T	T	T	T	T	0.03	T	T	T	0.05	760	688	621	3460	F	6	28.2	Y
72	15	3																			707	630	567	2794	M	6	-	-
73	15	3																			681	611	550	2698	F	6	21.0	Y
74	15	3																			656	599	539	2300	F	6	14.6	Y
75	15	3																			680	599	553	2680	M	6	-	-
76	15	3	06/20/85	6.7	ND	ND	1.00	0.50	1.50		T	T	T	T	T	0.05	T	T	0.06	0.08	700	621	569	2922	F	6	26.8	Y
77	15	3																			729	653	597	3014	F	6	23.2	Y
78	15	3																			681	604	555	2606	M	6	-	-
79	15	3																			675	604	548	2700	F	6	16.7	Y
80	15	3																			780	695	632	3878	F	2	164.8	Y
81	15	3	06/20/85	4.0	ND	ND	0.71	0.35	1.06		T	T	T	T	T	0.04	T	T	T	0.06	656	583	528	2170	F	6	16.1	Y
82	15	3																			663	585	530	2376	F	6	24.1	Y
83	15	3																			644	578	525	2372	F	6	10.2	N
84	15	3																			845	747	682	4118	M	2	-	-
85	15	3																			669	600	542	2662	F	6	20.5	Y
86	15	3	06/25/85	5.0	ND	ND	0.94	0.47	1.41		T	T	T	T	0.03	0.05	T	T	0.06	0.10	695	620	561	2996	F	2	42.1	Y
87	15	3																			659	585	530	2400	F	6	14.0	N
88	15	3																			677	600	548	2510	F	6	16.5	Y
89	15	3																			855	762	700	4040	F	6	37.6	Y
90	15	3																			685	605	550	2476	M	6	-	-
91	15	3	06/25/85	3.7	ND	ND	0.72	0.36	1.08		T	T	T	T	T	0.03	T	T	0.04	0.07	650	580	525	2046	M	6	-	-
92	15	3																			686	610	556	2776	F	6	17.6	Y
93	15	3																			687	608	557	2410	M	6	-	-
94	15	3																			670	591	540	2194	F	6	14.5	N
95	15	3																			710	630	571	2826	F	6	26.8	Y
96	15	3	06/25/85	3.2	ND	ND	0.52	T	0.72		T	T	T	T	T	0.03	T	T	T	0.05	760	678	629	3224	M	2	-	-
97	15	3																			690	609	557	2540	F	6	18.8	Y
98	15	3																			709	626	570	2984	F	6	20.3	Y
99	15	3																			705	632	577	3020	M	2	-	-
100	15	3																			633	619	562	2626	M	6	-	-

Appendix Table VII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	15	3	06/25/85	5.4	ND	ND	0.68	0.34	1.02		T	T	T	T	T	0.04	T	T	0.05	0.06	710	634	580	2952	F	6	24.2	Y
102	15	3																			656	588	524	2190	M	6	-	-
103	15	3																			665	580	525	2534	M	2	-	-
104	15	3																			685	608	550	2220	F	6	15.8	Y
105	15	3																			700	620	565	2466	M	6	-	-
106	15	3	06/25/85	3.0	ND	ND	0.41	T	0.61		T	T	T	T	T	T	T	T	T	0.04	684	608	546	2338	F	6	18.3	Y
107	15	3																			740	664	600	3304	M	6	-	-
108	15	3																			694	618	561	2674	M	6	-	-
109	15	3																			817	726	670	3730	F	6	35.7	Y
110	15	3																			617	549	497	1954	F	6	11.7	Y
111	15	3	06/25/85	4.1	ND	ND	0.54	T	0.74		T	T	T	T	T	0.03	T	T	0.04	0.06	688	608	553	2550	F	6	16.6	Y
112	15	3																			730	648	591	3312	M	2	-	-
113	15	3																			692	615	562	2640	F	6	21.1	Y
114	15	3																			690	607	553	2682	F	6	19.0	Y
115	15	3																			812	715	652	4116	F	2	67.2	Y
116	15	3	06/25/85	4.0	ND	ND	0.57	T	0.77		T	T	T	T	T	0.03	T	T	0.04	0.06	710	628	571	2752	F	6	24.5	Y
117	15	3																			715	625	573	2604	F	6	26.4	Y
118	15	3																			684	600	548	2538	M	6	-	-
119	15	3																			691	619	560	2434	M	6	-	-
120	15	3																			631	558	507	2066	M	6	-	-
121	15	3	06/25/85	4.8	ND	ND	0.62	0.31	0.93		T	T	T	T	T	0.04	T	T	0.04	0.06	671	599	540	2450	M	6	-	-
122	15	3																			642	568	520	2310	F	6	27.1	Y
123	15	3																			668	603	555	2032	F	6	19.3	Y
124	15	3																			678	596	535	2384	M	6	-	-
125	15	3																			711	629	575	2914	M	6	-	-
126	17	3	07/11/85	1.5	ND	ND	1.94	0.97	2.91	C	T	T	T	T	T	0.12	T	T	0.07	0.29	851	765	704	4494	M	2	-	-
127	17	3																			880	785	726	4904	M	6	-	-
128	17	3																			925	825	760	6048	F	6	69.4	Y
129	17	3																			855	755	700	5184	M	2	-	-
130	17	3																			910	805	743	5536	M	6	-	-
131	18	3	06/27/85	3.4	ND	ND	1.30	0.65	1.95	C	T	T	T	T	T	0.06	T	T	0.06	0.10	790	703	642	3850	F	6	41.4	Y
132	18	3																			935	831	766	6072	F	2	74.3	Y
133	18	3																			875	781	716	5078	F	6	54.1	Y
134	18	3																			935	840	776	5880	F	3	288.9	Y
135	18	3																			799	718	659	3576	F	6	45.1	Y
136	18	3	06/27/85	1.9	ND	ND	1.27	0.64	1.91	C	T	T	T	T	T	0.06	T	ND	0.04	0.14	871	778	714	3896	F	6	42.1	Y
137	18	3																			850	754	691	5436	F	6	44.8	Y
138	18	3																			842	743	682	3140	M	6	-	-
139	18	3																			822	726	670	5148	M	2	-	-
140	18	3																			845	742	685	4048	F	6	42.5	Y
141	19	3	06/27/85	4.9	ND	ND	0.69	0.35	1.04		ND	T	T	T	T	0.03	T	ND	T	0.06	705	622	567	2800	F	6	30.6	Y
142	19	3																			827	732	676	3752	F	6	32.7	Y
143	19	3																			705	629	576	3004	M	2	-	-
144	19	3																			770	681	628	3314	M	2	-	-
145	19	3																			711	636	586	3022	F	6	25.1	Y
146	19	3	06/27/85	5.6	ND	ND	0.51	T	0.71		T	T	T	T	T	0.03	T	T	T	0.06	760	680	625	3282	M	6	-	-
147	19	3																			682	605	554	2640	M	2	-	-
148	19	3																			664	581	531	2326	F	6	16.4	Y
149	19	3																			730	651	597	3934	F	3	144.0	Y
150	19	3																			635	566	513	2096	M	2	-	-

Appendix Table VII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
151	19	3	06/25/85	3.3	ND	ND	0.66	0.33	0.99		T	T	T	T	T	0.03	T	T	T	0.06	640	570	519	2070	F	6	13.0	Y
152	19	3																			662	587	538	2332	M	2	-	-
153	19	3																			810	726	670	3600	F	6	44.6	Y
154	19	3																			650	585	534	2276	F	6	24.7	Y
155	19	3																			641	562	515	2032	F	6	10.2	Y
156	19	3	06/28/85	4.1	ND	ND	0.82	0.40	1.22		T	T	T	T	T	0.04	T	T	0.05	0.07	795	709	652	3760	M	2	-	-
157	19	3																			657	580	529	2360	M	2	-	-
158	19	3																			690	615	565	2596	M	6	-	-
159	19	3																			655	584	526	2446	F	6	16.1	Y
160	19	3																			625	550	500	2238	F	6	19.2	Y
161	19	3	06/27/85	5.9	ND	ND	1.20	0.60	1.80	C	T	T	ND	T	T	0.04	T	T	0.05	0.09	855	760	701	3864	M	3	-	-
162	19	3																			715	630	579	3122	F	2	51.4	Y
163	19	3																			630	561	510	2020	F	6	10.8	Y
164	19	3																			700	615	565	2800	M	6	-	-
165	19	3																			580	510	461	1660	F	6	14.5	Y
166	19	3	07/11/85	4.7	ND	ND	1.34	0.68	2.02	C	T	T	T	T	T	0.09	T	T	0.06	0.23	850	760	698	4900	M	3	-	-
167	19	3																			795	709	651	3060	F	2	72.4	Y
168	19	3																			841	750	691	4250	M	3	-	-
169	19	3																			770	689	632	3590	M	2	-	-
170	19	3																			765	680	619	2890	M	6	-	-
171	19	3	06/28/85	6.5	ND	ND	0.85	0.43	1.28		T	T	T	T	T	0.04	T	T	0.05	0.08	740	670	622	3424	F	2	50.6	Y
172	19	3																			780	700	637	3694	M	2	-	-
173	19	3																			695	617	564	2624	F	2	37.3	Y
174	19	3																			725	643	590	2862	F	6	32.0	Y
175	19	3																			671	601	549	2540	F	6	22.0	Y
176	19	3	06/28/85	11.1	ND	ND	0.60	0.30	0.90		T	T	T	T	T	0.03	T	T	0.04	0.05	771	689	632	3796	M	3	-	-
177	19	3																			715	629	571	2966	M	3	-	-
178	19	3																			613	543	497	1916	F	6	11.8	Y
179	19	3																			702	620	566	2772	M	2	-	-
180	19	3																			612	542	494	1752	M	6	-	-
181	19	3	06/28/85	5.0	ND	ND	0.53	T	0.73		T	T	T	T	T	0.03	T	T	0.04	0.05	722	650	591	3094	F	6	28.1	Y
182	19	3																			593	529	479	1750	M	6	-	-
183	19	3																			840	751	691	3956	F	6	44.0	Y
184	19	3																			630	558	507	2060	F	6	17.5	Y
185	19	3																			682	611	557	2274	F	6	15.2	Y
186	19	3	06/28/85	2.9	ND	ND	0.65	0.32	0.97		T	T	T	T	T	0.03	T	T	T	0.06	776	684	627	3666	M	3	-	-
187	19	3																			803	717	656	3590	M	6	-	-
188	19	3																			636	565	517	2040	F	6	15.9	Y
189	19	3																			675	599	547	2580	F	2	24.1	Y
190	19	3																			835	731	674	3632	F	6	40.4	Y
191	19	3	06/28/85	4.4	ND	ND	0.60	0.30	0.90		T	T	T	T	T	0.03	T	T	0.04	0.06	694	609	559	2512	F	6	18.1	Y
192	19	3																			629	555	507	2060	F	6	14.9	Y
193	19	3																			700	682	616	3430	F	2	42.6	Y
194	19	3																			805	711	646	4200	F	3	171.7	Y
195	19	3																			680	598	543	2742	M	2	-	-
196	19	3	07/02/85	4.5	ND	ND	0.55	0.30	0.85		T	T	T	T	T	0.03	T	T	0.04	0.05	627	563	511	2094	M	2	-	-
197	19	3																			649	576	522	2346	F	6	12.5	Y
198	19	3																			794	701	641	4456	M	3	-	-
199	19	3																			692	618	564	2702	M	6	-	-
200	19	3																			737	640	591	3000	F	2	55.6	Y

Appendix Table VII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
201	19	3	07/02/85	2.1	ND	ND	0.33	T	0.53		T	T	T	T	T	T	T	T	T	0.03	610	537	489	1690	F	6	10.8	N
202	19	3																			685	597	546	2572	M	2	-	-
203	19	3																			792	700	641	3922	F	2	56.5	N
204	19	3																			707	618	562	2812	F	2	69.3	N
205	19	3																			707	626	569	2576	M	6	-	-
206	19	3	07/02/85	7.8	ND	ND	0.82	0.41	1.23		T	T	T	T	T	0.04	T	T	0.05	0.08	615	547	501	1902	F	6	11.1	N
207	19	3																			767	676	622	2908	M	6	-	-
208	19	3																			701	621	561	2682	F	6	17.8	N
209	19	3																			801	703	641	3764	M	2	-	-
210	19	3																			803	707	651	3932	F	3	134.0	N
211	19	3	07/02/85	3.9	ND	ND	0.54	T	0.74		T	T	T	T	T	0.03	T	T	T	0.05	845	760	698	4368	F	2	58.9	N
212	19	3																			793	693	635	3634	F	6	37.1	N
213	19	3																			732	648	592	3216	M	2	-	-
214	19	3																			721	638	581	3044	M	2	-	-
215	19	3																			694	615	561	2716	F	6	18.0	N
216	19	3	07/02/85	2.8	ND	ND	0.41	T	0.61		T	T	T	T	T	T	T	T	T	0.04	767	678	623	3210	F	6	20.9	N
217	19	3																			654	584	532	2296	M	6	-	-
218	19	3																			707	622	561	2780	F	6	24.6	N
219	19	3																			665	585	531	2228	F	6	19.4	N
220	19	3																			747	661	605	3344	M	3	-	-
221	19	3	07/02/85	4.6	ND	ND	0.71	0.35	1.06		T	T	T	T	T	0.03	T	T	T	0.06	645	570	521	2208	F	6	16.4	N
222	19	3																			626	560	507	2076	M	2	-	-
223	19	3																			637	562	510	2058	M	2	-	-
224	19	3																			676	598	542	2488	M	2	-	-
225	19	3																			704	620	563	2506	F	6	15.7	N
226	19	3	07/03/85	2.9	ND	ND	0.30	T	0.50		T	T	T	T	T	T	T	T	T	0.03	684	607	557	2556	F	6	16.7	N
227	19	3																			699	612	567	2556	M	6	-	-
228	19	3																			773	684	633	3778	F	2	43.8	Y
229	19	3																			619	548	496	1826	F	6	10.4	N
230	19	3																			824	729	675	3708	M	6	-	-
231	19	3	07/02/85	5.5	ND	ND	0.89	0.45	1.34		T	T	T	T	T	0.05	T	T	0.05	0.08	865	760	702	4218	F	2	65.4	N
232	19	3																			668	593	541	2582	M	6	-	-
233	19	3																			651	583	528	2264	M	6	-	-
234	19	3																			717	639	584	3130	F	6	25.4	N
235	19	3																			682	613	557	2580	F	6	19.6	N
236	19	3	07/03/85	3.4	ND	ND	0.57	0.30	0.87		T	T	T	T	T	T	T	T	T	0.05	791	700	645	3238	M	6	-	-
237	19	3																			730	633	578	3256	M	2	-	-
238	19	3																			794	698	636	3428	M	6	-	-
239	19	3																			656	580	534	2312	M	6	-	-
240	19	3																			810	716	660	3250	F	6	33.2	N
241	19	3	07/11/85	6.3	ND	ND	1.51	0.75	2.26	C	T	T	T	T	T	0.07	T	ND	T	0.15	766	675	622	3476	F	6	33.2	N
242	19	3																			670	594	542	2494	M	6	-	-
243	19	3																			838	748	691	4510	F	6	48.0	N
244	19	3																			701	617	565	2504	M	6	-	-
245	19	3																			687	608	559	2852	F	6	25.2	N
246	19	3	07/03/85	3.1	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	0.04	0.04	673	598	551	2490	M	6	-	-
247	19	3																			771	674	620	3242	M	6	-	-
248	19	3																			699	634	582	2902	F	6	34.9	N
249	19	3																			826	729	670	3226	M	6	-	-
250	19	3																			673	595	548	2210	M	6	-	-

Appendix Table VII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
251	21	3	07/26/85	4.2	ND	ND	0.48	T	0.68		T	T	T	T	T	T	T	T	T	0.04	680	603	555	2578	M	2	-	-
252	21	3																			662	588	538	2390	M	2	-	-
253	21	3																			690	615	563	2634	M	2	-	-
254	21	3																			684	600	554	2644	M	2	-	-
255	21	3																			677	604	554	2644	F	6	16.1	Y
256	21	3	07/26/85	7.0	ND	ND	0.75	0.38	1.13		T	T	T	T	T	0.04	T	T	0.04	0.07	690	610	560	2784	M	2	-	-
257	21	3																			694	620	570	2806	F	2	50.0	Y
258	21	3																			653	580	529	2398	F	6	13.9	Y
259	21	3																			641	569	518	2318	M	2	-	-
260	21	3																			676	589	533	2460	F	6	13.4	Y
261	21	3	07/26/85	5.4	ND	ND	0.62	0.31	0.93		T	T	T	T	T	0.03	T	T	T	0.06	674	597	550	2542	M	2	-	-
262	21	3																			675	595	546	2744	M	2	-	-
263	21	3																			674	600	550	2462	F	6	10.0	Y
264	21	3																			646	578	525	2320	F	6	13.8	Y
265	21	3																			651	580	530	2450	M	2	-	-
266	21	3	07/26/85	4.7	ND	ND	0.57	T	0.77		T	T	T	T	T	0.03	T	T	T	0.05	640	565	518	2408	M	6	-	-
267	21	3																			651	580	529	2396	F	6	17.3	Y
268	21	3																			651	580	530	2454	F	6	17.3	Y
269	21	3																			690	598	546	2596	F	6	25.5	Y
270	21	3																			669	595	538	2358	F	6	17.9	Y
271	21	3	07/26/85	3.8	ND	ND	0.50	T	0.70		T	T	T	T	T	T	T	T	T	0.05	630	558	507	2086	M	6	-	-
272	21	3																			684	599	549	2364	F	2	43.1	Y
273	21	3																			698	625	573	2710	F	6	28.3	Y
274	21	3																			703	617	570	2556	F	6	20.0	Y
275	21	3																			662	595	550	2616	F	6	19.2	Y
276	21	3	07/26/85	3.9	ND	ND	0.43	T	0.63		T	T	T	T	T	0.03	T	T	T	0.04	683	594	542	2422	M	6	-	-
277	21	3																			666	583	531	2352	F	6	16.3	Y
278	21	3																			685	599	550	2506	M	6	-	-
279	21	3																			667	587	532	2608	M	6	-	-
280	21	3																			670	595	540	2510	F	2	113.3	Y
281	21	3	07/29/85	7.6	ND	ND	0.82	0.42	1.24		T	T	T	T	0.03	0.05	T	T	0.05	0.08	760	669	618	3202	F	6	20.5	Y
282	21	3																			672	599	552	2626	M	2	-	-
283	21	3																			685	620	558	2614	F	6	36.7	Y
284	21	3																			668	580	530	2336	M	6	-	-
285	21	3																			662	585	532	2346	M	6	-	-
286	21	3	07/29/85	6.5	ND	ND	0.75	0.37	1.12		T	T	T	T	0.03	0.04	T	T	0.04	0.07	684	602	550	2480	F	6	21.0	Y
287	21	3																			685	608	552	2668	F	2	41.5	Y
288	21	3																			666	597	546	2522	M	2	-	-
289	21	3																			676	599	546	2900	M	2	-	-
290	21	3																			711	624	570	2704	F	6	19.3	N
291	21	3	07/26/85	6.6	ND	ND	0.67	0.34	1.01		T	T	T	T	T	0.04	T	T	0.04	0.06	720	639	585	2812	M	6	-	-
292	21	3																			666	584	536	2356	F	6	22.7	N
293	21	3																			697	618	570	3064	M	2	-	-
294	21	3																			694	625	570	2484	F	6	17.0	N
295	21	3																			635	564	513	2456	F	2	38.3	N
296	21	3	07/29/85	6.8	ND	ND	0.67	0.33	1.00		T	T	T	T	0.03	0.04	T	T	0.04	0.07	644	569	517	2064	M	6	-	-
297	21	3																			692	606	556	2816	M	2	-	-
298	21	3																			650	570	526	2338	F	6	18.6	N
299	21	3																			674	598	549	2432	F	6	21.2	N
300	21	3																			658	580	530	2480	F	6	19.2	N

Appendix Table VII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
301	21	3	07/29/85	7.9	ND	ND	0.87	0.44	1.31		T	T	T	T	0.03	0.05	T	T	0.05	0.09	697	606	552	2606	M	6	-	-
302	21	3																			680	604	558	2670	F	2	41.6	N
303	21	3																			716	631	581	3324	F	6	32.5	N
304	21	3																			662	580	532	2430	F	6	23.7	N
305	21	3																			668	595	540	2798	F	2	29.4	N
306	21	3	07/29/85	1.4	ND	ND	0.43	T	0.63		T	T	T	T	T	T	T	T	T	0.04	777	688	633	3144	M	2	-	-
307	21	3																			644	570	521	2382	M	2	-	-
308	21	3																			810	710	664	3290	M	6	-	-
309	21	3																			634	569	510	2210	F	6	14.8	N
310	21	3																			795	707	650	3212	M	6	-	-
311	21	3	07/29/85	6.6	ND	ND	0.79	0.39	1.18		T	T	T	T	0.03	0.04	T	T	0.06	0.07	689	613	563	2788	F	6	23.0	N
312	21	3																			665	585	531	2414	M	2	-	-
313	21	3																			690	615	565	2504	M	6	-	-
314	21	3																			680	601	551	2572	F	6	29.0	N
315	21	3																			690	611	562	2716	F	6	23.5	N
316	21	3	07/29/85	6.0	ND	ND	0.56	T	0.76		T	T	T	T	T	0.04	T	T	0.04	0.06	650	571	520	2558	F	6	25.9	N
317	21	3																			705	625	572	2920	F	6	31.6	N
318	21	3																			691	610	560	2652	M	2	-	-
319	21	3																			643	565	517	2172	F	6	15.7	N
320	21	3																			658	585	535	2490	F	6	21.9	N
321	21	3	07/30/85	7.1	ND	ND	0.43	T	0.63		T	T	T	T	T	0.03	T	T	T	0.05	626	555	507	2332	M	2	-	-
322	21	3																			632	574	522	2474	F	2	40.8	N
323	21	3																			648	574	526	2278	M	6	-	-
324	21	3																			630	555	505	2044	F	6	15.0	N
325	21	3																			640	565	520	2148	F	6	12.8	N
326	21	3	07/30/85	6.6	ND	ND	0.66	0.32	0.98		T	T	T	T	T	0.04	T	T	0.04	0.07	642	579	520	2490	F	6	22.8	N
327	21	3																			656	589	538	2440	F	6	20.5	N
328	21	3																			664	596	548	2618	M	6	-	-
329	21	3																			651	570	525	2274	M	2	-	-
330	21	3																			640	563	514	2144	F	6	13.7	N
331	21	3	07/30/85	5.1	ND	ND	0.41	T	0.61		T	T	T	T	T	T	T	T	0.04	0.05	633	565	517	2074	F	6	11.8	N
332	21	3																			610	545	495	1882	F	6	8.3	N
333	21	3																			626	563	518	2188	F	6	16.9	N
334	21	3																			609	539	489	2142	F	6	18.5	N
335	21	3																			655	580	531	2306	F	6	16.8	N
336	21	3	07/30/85	3.5	ND	ND	0.30	T	0.50		T	T	T	T	T	T	T	T	T	0.03	635	588	512	2136	F	6	9.8	N
337	21	3																			610	540	495	1990	F	6	10.8	N
338	21	3																			594	527	480	1910	M	6	-	-
339	21	3																			577	507	462	1588	F	6	7.6	N
340	21	3																			593	527	478	1798	M	6	-	-
341	21	3	07/30/85	4.4	ND	ND	0.44	T	0.64		T	T	T	T	T	T	T	T	T	0.05	618	555	510	2250	F	2	32.2	N
342	21	3																			620	554	510	2176	M	2	-	-
343	21	3																			613	546	500	2018	M	6	-	-
344	21	3																			650	568	522	2188	F	6	13.0	N
345	21	3																			635	560	511	2206	M	6	-	-
346	21	3	07/30/85	5.8	ND	ND	0.52	T	0.72		T	T	T	T	T	0.03	T	T	T	0.05	615	559	512	2168	M	2	-	-
347	21	3																			625	554	510	2020	U	6	-	-
348	21	3																			622	545	502	2084	F	6	14.8	N
349	21	3																			651	577	527	2372	M	6	-	-
350	21	3																			595	524	481	1830	U	6	-	-

Appendix Table VII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
351	22	3	07/30/85	1.1	ND	ND	0.69	0.35	1.04		T	T	T	T	T	0.03	T	T	T	0.07	876	779	713	5414	F	6	36.6	N
352	22	3																			830	740	678	3568	M	6	-	-
353	22	3																			846	747	682	4216	F	6	27.9	N
354	22	3																			900	796	724	4194	M	6	-	-
355	22	3																			831	746	686	4788	F	6	44.6	N
356	22	3	07/31/85	1.2	ND	ND	0.64	0.33	0.97		T	T	T	T	T	0.03	T	T	T	0.06	841	751	693	4774	M	6	-	-
357	22	3																			845	750	686	4618	M	6	-	-
358	22	3																			840	758	696	4400	F	6	37.9	N
359	22	3																			870	774	706	4834	F	6	35.6	N
360	22	3																			825	738	672	3704	M	6	-	-
361	22	3	07/31/85	1.1	ND	ND	0.89	0.45	1.34		T	T	T	T	T	0.04	T	T	0.04	0.09	900	797	726	5530	F	6	47.4	N
362	22	3																			840	747	690	3784	M	6	-	-
363	22	3																			867	778	716	4318	M	6	-	-
364	22	3																			791	696	636	3302	F	6	27.9	N
365	22	3																			840	735	671	3266	M	6	-	-
366	23	3	07/31/85	4.4	ND	ND	1.30	0.65	1.95	C	T	T	T	0.03	0.07	0.07	T	T	0.12	0.14	835	740	680	3952	F	6	34.0	Y
367	23	3																			615	549	491	2250	F	6	11.6	N
368	23	3																			841	744	679	3868	M	6	-	-
369	23	3																			611	540	486	1880	F	6	16.9	Y
370	23	3																			849	746	681	4380	M	6	-	-
371	23	3	07/31/85	2.8	ND	ND	0.92	0.46	1.38		T	T	T	T	0.03	0.04	T	T	0.05	0.09	645	576	522	2424	F	6	15.5	Y
372	23	3																			850	760	691	5424	F	6	42.7	Y
373	23	3																			744	660	595	2922	F	6	20.4	N
374	23	3																			641	574	521	2242	F	6	14.0	N
375	23	3																			905	806	742	5808	F	6	24.8	N
376	23	3	07/31/85	1.4	ND	ND	1.23	0.62	1.85	C	T	T	T	T	0.04	0.06	T	T	0.07	0.12	825	720	661	4254	F	6	46.0	N
377	23	3																			835	734	676	4772	F	6	44.4	N
378	23	3																			846	760	681	4466	F	6	34.3	N
379	23	3																			878	775	711	4864	M	6	-	-
380	23	3																			794	705	647	3470	M	6	-	-
381	26	3	08/22/85	1.6	ND	ND	0.72	0.36	1.08		T	ND	T	T	T	0.03	T	T	T	0.07	850	746	681	4342	F	6	33.1	N
382	26	3																			857	754	687	4412	F	6	41.1	N
383	26	3																			815	711	653	4052	M	6	-	-
384	26	3																			826	730	675	4384	M	6	-	-
305	26	3																			820	726	665	4460	M	6	-	-

APPENDIX TABLE VIII.

SITE 10 (New England, June 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
1	28	1	08/22/85	2.1	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	322	285	250	334	U	1	-	-
2	28	1																			327	290	263	352	F	1	3.1	N
3	28	1																			315	270	249	310	U	1	-	-
4	28	1																			325	285	257	316	U	1	-	-
5	28	1																			299	264	237	234	U	1	-	-
6	25	2	08/08/85	1.9	ND	ND	0.34	T	0.54		T	T	T	T	T	T	T	T	T	0.03	504	444	401	1170	U	1	-	-
7	25	2																			480	436	392	1076	U	1	-	-
8	25	2																			509	454	412	1230	U	1	-	-
9	25	2																			490	426	389	1040	U	1	-	-
10	25	2																			502	424	381	1050	U	1	-	-
11	25	2	08/08/85	2.1	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	T	510	440	405	1132	U	1	-	-
12	25	2																			480	426	387	970	U	1	-	-
13	25	2																			492	437	396	1126	U	1	-	-
14	25	2																			505	446	405	1142	U	1	-	-
15	25	2																			514	456	413	1242	M	1	-	-
16	25	2	08/08/85	2.1	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	0.03	462	410	369	990	U	1	-	-
17	25	2																			493	437	394	1066	F	1	5.4	N
18	25	2																			516	455	411	1200	U	1	-	-
19	25	2																			475	422	384	1062	U	1	-	-
20	25	2																			494	442	400	1190	U	1	-	-
21	28	2	08/22/85	2.1	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	509	446	403	1230	M	6	-	-
22	28	2																			383	336	302	576	M	1	-	-
23	28	2																			400	360	322	666	M	3	-	-
24	28	2																			376	333	302	510	M	6	-	-
25	28	2																			381	338	306	526	M	6	-	-
26	28	2	08/22/85	2.4	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	0.03	356	314	281	466	U	1	-	-
27	28	2																			372	326	295	500	M	6	-	-
28	28	2																			363	320	287	450	U	1	-	-
29	28	2																			364	320	288	512	U	1	-	-
30	25	2																			356	310	280	460	M	6	-	-
31	28	2	08/22/85	1.3	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	0.03	340	305	275	446	F	1	3.4	N
32	28	2																			345	305	273	406	U	1	-	-
33	28	2																			370	325	292	536	U	1	-	-
34	28	2																			377	330	298	510	U	1	-	-
35	28	2																			350	306	276	392	U	1	-	-
36	25	3	07/31/85	7.7	ND	ND	0.85	0.42	1.27		T	T	T	T	0.03	0.05	T	T	0.05	0.08	684	600	552	2576	F	6	17.5	Y
37	25	3																			661	586	534	2392	F	6	13.0	Y
38	25	3																			694	615	557	3064	M	6	-	-
39	25	3																			682	604	553	2670	F	6	15.5	Y
40	25	3																			653	571	515	2406	M	6	-	-
41	25	3	08/06/85	7.8	ND	ND	1.23	0.62	1.85	C	T	T	T	T	0.03	0.05	T	T	0.05	0.10	651	582	530	2574	M	6	-	-
42	25	3																			815	719	659	4502	U	0	-	-
43	25	3																			710	622	565	2955	M	6	-	-
44	25	3																			700	615	556	2926	M	2	-	-
45	25	3																			676	596	544	2662	F	6	19.0	Y
46	25	3	08/06/85	7.9	ND	ND	0.47	T	0.67		T	T	T	T	0.03	0.03	T	T	0.05	0.05	670	587	539	2576	F	6	14.6	Y
47	25	3																			644	574	520	2420	F	6	15.4	Y
48	25	3																			700	615	566	2856	F	6	10.3	Y
49	25	3																			639	569	517	2390	F	6	12.2	Y
50	25	3																			637	562	512	2210	M	6	-	-

Appendix Table VIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	25	3	08/08/85	6.3	ND	ND	0.78	0.39	1.17		T	T	T	T	T	0.04	T	T	T	0.06	676	600	543	2048	F	6	15.7	Y
52	25	3																			640	574	519	2278	M	6	-	-
53	25	3																			629	552	504	2178	M	6	-	-
54	25	3																			656	576	526	2322	F	6	11.5	Y
55	25	3																			666	584	534	2232	F	6	12.6	Y
56	25	3	08/08/85	7.2	ND	ND	0.97	0.49	1.46		T	T	T	T	T	0.05	T	T	T	0.08	719	637	582	3068	F	6	18.3	Y
57	25	3																			618	545	493	1926	M	6	-	-
58	25	3																			620	556	509	2006	F	6	9.5	Y
59	25	3																			669	590	539	2500	F	6	14.5	Y
60	25	3																			720	641	586	3144	F	6	20.0	Y
61	25	3	08/08/85	6.5	ND	ND	0.67	0.34	1.01		T	T	T	T	T	0.04	T	T	T	0.06	665	590	532	2176	M	6	-	-
62	25	3																			585	519	473	1976	M	6	-	-
63	25	3																			636	559	503	2226	M	6	-	-
64	25	3																			672	602	542	2564	F	6	14.0	Y
65	25	3																			683	605	555	2554	F	6	15.7	Y
66	25	3	08/14/85	7.2	ND	ND	0.63	0.31	0.94		T	T	T	T	T	0.04	T	T	T	0.06	651	581	535	2206	F	6	15.0	Y
67	25	3																			655	580	532	2222	F	6	12.4	Y
68	25	3																			642	573	528	2194	M	6	-	-
69	25	3																			625	554	506	2022	M	6	-	-
70	25	3																			630	556	508	2044	F	6	10.6	Y
71	25	3	08/12/85	6.8	ND	ND	0.54	T	0.74		T	T	T	T	T	0.03	T	T	T	0.05	646	570	522	2376	M	6	-	-
72	25	3																			634	562	516	2336	F	6	17.1	Y
73	25	3																			655	580	534	2172	U	0	-	-
74	25	3																			636	562	519	2182	M	6	-	-
75	25	3																			642	570	526	2154	F	6	11.6	Y
76	25	3	08/12/85	6.5	ND	ND	0.60	0.30	0.90		T	T	T	T	0.03	0.03	T	T	0.04	0.05	663	587	529	2318	F	6	11.0	Y
77	25	3																			628	561	511	2268	M	2	-	-
78	25	3																			661	585	540	2276	F	6	12.2	Y
79	25	3																			656	588	541	2220	F	6	13.8	N
80	25	3																			649	577	531	2430	M	6	-	-
81	25	3	08/12/85	4.5	ND	ND	0.40	T	0.60		T	T	T	T	T	T	T	T	T	0.04	798	709	653	4186	M	6	-	-
82	25	3																			612	540	495	2064	F	6	8.5	N
83	25	3																			686	608	558	2712	M	6	-	-
84	25	3																			613	542	496	2010	F	6	10.9	N
85	25	3																			632	561	514	2176	M	6	-	-
86	25	3	08/12/85	4.8	ND	ND	0.62	0.31	0.93		T	T	T	T	T	0.03	T	T	T	0.06	635	562	511	2032	F	6	10.1	N
87	25	3																			660	587	536	2230	M	6	-	-
88	25	3																			635	559	512	2066	F	6	7.3	N
89	25	3																			668	600	551	2538	F	6	12.9	N
90	25	3																			659	582	534	2344	F	6	15.1	N
91	25	3	08/12/85	6.0	ND	ND	0.56	T	0.76		T	T	T	T	T	0.03	T	T	T	0.06	682	608	561	2682	M	6	-	-
92	25	3																			634	571	519	2458	M	6	-	-
93	25	3																			715	634	570	2870	M	6	-	-
94	25	3																			661	591	545	2488	F	6	13.4	N
95	25	3																			680	601	551	2578	M	6	-	-
96	25	3	08/12/85	8.8	ND	ND	1.04	0.53	1.57	C	T	T	T	T	T	0.05	T	T	0.04	0.09	683	608	545	2574	F	6	15.0	N
97	25	3																			669	596	546	2612	F	6	17.4	N
98	25	3																			663	589	539	2508	M	6	-	-
99	25	3																			695	620	570	3030	M	6	-	-
100	25	3																			646	574	520	2806	F	6	12.5	N

Appendix Table VIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	28	3	08/26/85	1.1	ND	ND	0.88	0.44	1.32		T	ND	T	T	T	0.05	T	T	T	0.09	895	797	733	6292	F	6	50.0	Y
102	28	3																			905	809	742	6430	M	6	-	-
103	28	3																			841	747	684	3782	F	6	34.6	Y
104	28	3																			792	702	643	3996	M	6	-	-
105	28	3																			846	750	690	4258	F	6	44.3	Y
106	29	3	08/14/85	1.6	ND	ND	0.80	0.40	1.20		T	T	T	T	T	0.04	T	T	T	0.09	899	790	731	6054	F	6	56.0	Y
107	29	3																			838	738	681	4690	F	6	39.2	Y
108	29	3																			822	725	675	3456	M	6	-	-
109	29	3																			880	799	737	6244	M	6	-	-
110	29	3																			921	820	762	6044	M	6	-	-
111	30	3	08/14/85	1.9	ND	ND	0.87	0.44	1.31		T	T	T	T	T	0.05	T	T	0.04	0.10	863	762	692	4166	M	6	-	-
112	30	3																			880	784	706	5150	F	2	52.0	Y
113	30	3																			835	798	736	5112	F	6	45.3	Y
114	30	3																			671	592	540	2348	F	6	17.3	Y
115	30	3																			825	724	665	4206	M	6	-	-
116	30	3	08/16/85	1.4	ND	ND	0.73	0.36	1.09		T	T	T	T	T	0.03	T	T	T	0.07	876	765	700	4810	F	6	30.0	Y
117	30	3																			891	791	728	5556	F	6	25.0	Y
118	30	3																			838	741	680	4662	M	2	-	-
119	30	3																			861	768	705	3000	F	6	13.4	Y
120	30	3																			860	761	691	4452	F	6	39.4	Y
121	30	3	09/20/85	1.6	ND	ND	1.95	0.98	2.93	C	T	T	T	T	0.03	0.10	T	T	0.05	0.20	899	792	729	5762	M	6	-	-
122	30	3																			875	780	712	3198	M	6	-	-
123	30	3																			888	796	731	5190	M	2	-	-
124	30	3																			705	620	566	2610	F	6	14.6	Y
125	30	3																			871	773	704	4068	M	6	-	-
126	30	3	08/16/85	1.2	ND	ND	1.02	0.53	1.55	C	T	T	T	T	T	0.05	T	T	T	0.11	860	763	703	4812	M	6	-	-
127	30	3																			672	589	536	2716	M	6	-	-
128	30	3																			646	572	520	2572	F	6	29.8	Y
129	30	3																			659	581	532	2412	M	6	-	-
130	30	3																			565	504	456	1516	M	6	-	-
131	30	3	09/20/85	5.5	ND	ND	1.41	0.70	2.11	C	T	T	T	T	0.03	0.07	T	T	0.05	0.13	861	765	705	4966	F	6	49.8	Y
132	30	3																			861	758	692	4470	M	6	-	-
133	30	3																			895	798	731	4890	F	6	9.1	Y
134	30	3																			894	795	731	4382	M	6	-	-
135	30	3																			820	719	659	3144	M	6	-	-
136	30	3	08/16/85	1.8	ND	ND	1.23	0.61	1.84	C	T	T	T	T	T	0.06	T	T	0.05	0.12	910	807	741	5986	M	2	-	-
137	30	3																			810	720	659	3872	M	6	-	-
138	30	3																			855	751	690	4374	M	6	-	-
139	30	3																			888	792	722	4838	F	6	25.3	Y
140	30	3																			908	805	740	5884	F	6	40.6	Y
141	30	3	08/16/85	1.1	ND	ND	0.91	0.45	1.36		T	T	T	T	T	0.04	T	T	T	0.09	849	750	700	4278	F	6	36.6	Y
142	30	3																			840	738	680	3786	M	6	-	-
143	30	3																			881	780	725	5170	F	6	34.3	N
144	30	3																			850	752	694	5050	F	6	40.0	N
145	30	3																			879	770	715	4956	F	2	39.7	Y
146	30	3	08/16/85	3.4	ND	ND	0.67	0.33	1.00		T	T	T	T	T	0.04	T	T	T	0.07	881	779	725	4226	F	6	33.4	N
147	30	3																			829	729	671	4066	M	6	-	-
148	30	3																			845	750	695	4242	F	6	35.7	N
149	30	3																			905	802	742	5270	F	2	30.7	N
150	30	3																			835	739	685	3920	F	6	31.7	N

Appendix Table VIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
151	30	3	08/22/85	3.4	ND	ND	0.56	T	0.76		T	T	T	T	T	0.03	T	T	T	0.05	618	545	495	2046	F	6	12.3	N
152	30	3																			685	599	551	2764	M	6	-	-
153	30	3																			697	622	571	2914	M	2	-	-
154	30	3																			851	749	687	4084	F	6	43.6	Y
155	30	3																			815	720	654	4352	M	6	-	-
156	30	3	08/22/85	5.8	ND	ND	0.94	0.47	1.41		T	ND	T	T	T	0.04	T	T	0.04	0.10	773	689	625	3402	F	6	25.7	N
157	30	3																			596	527	482	2150	F	6	16.0	N
158	30	3																			632	557	506	2360	F	6	16.0	N
159	30	3																			580	515	469	2064	F	6	13.6	N
160	30	3																			896	800	733	6206	M	6	-	-
161	30	3	08/26/85	1.3	ND	ND	0.74	0.37	1.11		T	ND	T	T	T	0.03	T	T	T	0.07	882	795	726	4290	F	6	33.5	N
162	30	3																			885	789	712	4060	M	6	-	-
163	30	3																			834	749	686	4742	F	2	29.9	Y
164	30	3																			821	729	663	3704	M	6	-	-
165	30	3																			802	713	652	3556	M	6	-	-
166	30	3	08/26/85	1.2	ND	ND	0.99	0.50	1.49		T	ND	T	T	T	0.05	T	T	T	0.09	860	758	701	4652	M	6	-	-
167	30	3																			720	635	581	2128	M	6	-	-
168	30	3																			870	766	702	3760	M	6	-	-
169	30	3																			878	780	719	4706	M	2	-	-
170	30	3																			803	710	649	3540	M	6	-	-
171	30	3	08/26/85	1.8	ND	ND	0.84	0.42	1.26		T	ND	T	T	T	0.05	T	T	T	0.09	880	781	718	4938	F	6	36.0	N
172	30	3																			860	760	701	4788	F	6	46.9	N
173	30	3																			870	761	700	4402	M	6	-	-
174	30	3																			593	520	475	1900	F	6	9.2	N
175	30	3																			814	716	651	4024	M	2	-	-
176	30	3	08/26/85	2.2	ND	ND	0.65	0.33	0.98		T	T	T	T	T	0.04	T	T	T	0.07	881	768	709	5090	M	6	-	-
177	30	3																			822	730	670	4202	M	6	-	-
178	30	3																			811	715	652	4002	M	2	-	-
179	30	3																			692	614	560	2956	M	6	-	-
180	30	3																			864	770	705	4240	M	6	-	-
181	30	3	08/26/85	6.1	ND	ND	0.80	0.40	1.20		T	T	T	T	0.03	0.05	T	T	0.05	0.07	671	595	543	2502	F	6	15.5	N
182	30	3																			660	577	526	2410	M	6	-	-
183	30	3																			631	559	510	2110	F	6	14.6	N
184	30	3																			680	606	555	2674	F	6	21.3	Y
185	30	3																			819	728	664	3872	M	6	-	-
186	30	3	08/26/85	3.5	ND	ND	0.56	T	0.76		T	T	T	T	T	0.03	T	T	T	0.06	875	771	710	4724	M	2	-	-
187	30	3																			831	728	663	3988	F	6	31.6	N
188	30	3																			650	572	521	2400	M	6	-	-
189	30	3																			695	615	554	3044	F	6	20.1	N
190	30	3																			624	553	509	2154	M	6	-	-
191	30	3	08/29/85	0.8	ND	ND	0.33	T	0.53		ND	ND	T	T	T	T	ND	ND	T	0.03	820	723	672	3710	M	6	-	-
192	30	3																			609	532	485	1940	F	6	10.1	N
193	30	3																			821	727	662	3934	F	6	46.5	Y
194	30	3																			655	580	530	2466	M	6	-	-
195	30	3																			656	579	524	2520	F	6	12.2	N
196	30	3	08/26/85	1.7	ND	ND	1.24	0.62	1.86	C	T	ND	T	T	T	0.06	T	T	0.04	0.13	820	724	662	3702	M	6	-	-
197	30	3																			849	751	690	3610	M	6	-	-
198	30	3																			863	765	700	4584	F	6	30.7	N
199	30	3																			860	770	705	4610	M	6	-	-
200	30	3																			870	770	711	4870	M	6	-	-

Appendix Table VIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
201	31	3	08/29/85	1.4	ND	ND	0.66	0.33	0.99		T	ND	T	T	T	0.03	T	T	T	0.07	581	515	471	1772	F	6	7.9	N
202	31	3																			815	728	663	3552	M	6	-	-
203	31	3																			890	790	733	4464	F	6	43.4	Y
204	31	3																			865	770	700	4056	U	0	-	-
205	31	3																			850	755	687	5156	F	6	32.9	N
206	32	3	08/29/85	1.2	ND	ND	1.08	0.54	1.62	C	T	ND	T	T	T	0.05	T	T	T	0.12	875	778	716	4660	M	6	-	-
207	32	3																			865	763	706	5110	F	6	43.2	Y
208	32	3																			864	767	704	4166	F	6	40.2	N
209	32	3																			835	738	673	4032	F	6	45.8	Y
210	32	3																			875	790	726	4944	M	6	-	-
211	32	3	08/29/85	2.0	ND	ND	0.59	T	0.79		T	T	T	T	T	0.03	ND	T	T	0.06	570	506	460	1784	F	6	8.2	N
212	32	3																			640	562	510	2136	F	6	12.7	N
213	32	3																			862	770	712	3462	M	6	-	-
214	32	3																			875	766	708	5022	F	6	33.4	N
215	32	3																			685	604	554	2496	M	6	-	-
216	33	3	08/29/85	2.0	ND	ND	0.81	0.41	1.22		T	ND	T	T	T	0.05	T	T	T	0.09	858	760	705	4762	M	6	-	-
217	33	3																			810	713	658	4290	M	2	-	-
218	33	3																			868	755	697	5496	M	6	-	-
219	33	3																			850	759	702	5414	M	6	-	-
220	33	3																			919	818	758	5412	F	6	54.2	Y
221	33	3	08/29/85	2.2	ND	ND	1.09	0.55	1.64	C	T	ND	T	T	T	0.06	T	T	0.04	0.13	845	750	693	4744	F	6	40.8	Y
222	33	3																			859	765	710	4924	F	6	33.4	Y
223	33	3																			813	706	651	4024	M	6	-	-
224	33	3																			840	745	690	4324	F	6	46.0	Y
225	33	3																			893	800	750	6190	M	2	-	-
226	33	3	08/29/85	7.2	ND	ND	0.95	0.48	1.43		T	T	T	T	T	0.05	T	T	0.04	0.10	859	766	705	5778	M	6	-	-
227	33	3																			864	765	710	3400	M	6	-	-
228	33	3																			862	759	703	3642	M	6	-	-
229	33	3																			921	821	762	6566	F	2	70.2	Y
230	33	3																			775	685	632	4080	U	0	-	-
231	33	3	09/04/85	0.9	ND	ND	0.52	T	0.72		T	ND	T	T	T	T	ND	T	T	0.06	870	770	716	5002	M	6	-	-
232	33	3																			843	745	685	3424	M	6	-	-
233	33	3																			844	745	695	4422	F	6	31.4	Y
234	33	3																			861	760	703	5374	F	2	50.4	Y
235	33	3																			896	800	750	5096	F	6	40.6	N
236	33	3	09/04/85	1.7	ND	ND	0.58	T	0.78		T	T	T	T	T	0.03	T	T	T	0.06	858	754	695	4430	F	6	30.6	N
237	33	3																			860	760	700	4724	F	6	32.9	N
238	33	3																			806	710	661	4654	F	6	44.1	N
239	33	3																			811	710	656	4246	M	2	-	-
240	33	3																			920	820	760	7220	F	2	60.0	Y
241	33	3	09/04/85	1.3	ND	ND	1.30	0.65	1.95	C	T	ND	T	T	T	0.06	T	T	0.04	0.13	862	759	698	4692	M	2	-	-
242	33	3																			912	800	735	4774	M	6	-	-
243	33	3																			865	762	693	5196	M	3	-	-
244	33	3																			921	815	743	6716	M	2	-	-
245	33	3																			832	740	681	4258	M	6	-	-
246	33	3	09/04/85	3.4	ND	ND	1.02	0.51	1.53	C	T	T	T	T	0.03	0.06	T	T	0.05	0.11	892	800	735	5344	M	6	-	-
247	33	3																			849	748	680	5024	M	2	-	-
248	33	3																			816	730	670	4274	M	6	-	-
249	33	3																			817	721	655	4420	F	6	33.1	Y
250	33	3																			885	784	721	5414	M	6	-	-

Appendix Table VIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
251	33	3	09/04/85	2.0	ND	ND	0.75	0.37	1.12		T	T	T	T	T	0.03	T	T	T	0.09	821	715	659	4062	F	6	40.9	Y
252	33	3																			833	741	681	4048	F	6	33.2	N
253	33	3																			884	790	725	6266	F	6	38.1	N
254	33	3																			856	740	686	3650	M	6	-	-
255	33	3																			856	760	695	4624	F	6	42.7	N
256	33	3	09/04/85	2.1	ND	ND	0.69	0.35	1.04		T	T	T	T	T	0.03	T	T	T	0.07	915	815	755	6700	F	2	51.0	Y
257	33	3																			849	749	688	4316	F	6	52.0	Y
258	33	3																			882	782	715	5120	M	6	-	-
259	33	3																			862	772	706	5932	F	2	162.5	Y
260	33	3																			812	722	670	4142	M	6	-	-
261	33	3	09/11/85	1.2	ND	ND	0.50	T	0.70		T	ND	T	T	T	0.03	T	ND	T	0.05	810	718	662	3710	F	6	27.1	N
262	33	3																			849	763	703	5604	F	6	45.4	N
263	33	3																			859	760	703	5206	F	6	49.0	Y
264	33	3																			844	739	682	4664	F	6	41.5	Y
265	33	3																			805	716	655	3950	F	6	36.9	Y
266	33	3	09/11/85	1.1	ND	ND	0.67	0.34	1.01		T	ND	T	T	T	0.03	T	ND	T	0.07	860	770	720	4870	F	6	40.0	N
267	33	3																			932	835	780	7186	M	6	-	-
268	33	3																			898	800	745	5632	M	3	-	-
269	33	3																			930	817	765	6066	F	3	71.0	Y
270	33	3																			860	761	703	5060	M	6	-	-
271	33	3	09/11/85	1.2	ND	ND	1.31	0.65	1.96	C	T	ND	T	T	T	0.06	T	ND	T	0.12	874	793	727	6110	M	3	-	-
272	33	3																			841	752	684	4198	M	6	-	-
273	33	3																			896	790	729	5112	M	6	-	-
274	33	3																			825	730	671	4492	F	6	45.3	Y
275	33	3																			850	757	689	4766	M	6	-	-
276	33	3	09/11/85	1.1	ND	ND	0.60	T	0.80		T	ND	T	T	T	0.03	T	ND	T	0.07	863	760	695	5268	F	6	56.4	Y
277	33	3																			860	753	692	5190	F	6	44.1	Y
278	33	3																			830	730	668	5002	F	6	47.9	Y
279	33	3																			835	740	680	5110	M	6	-	-
280	33	3																			897	806	741	6226	U	0	-	-
281	33	3	09/11/85	1.4	ND	ND	0.46	T	0.66		T	ND	T	T	T	T	T	ND	T	0.05	851	761	698	5004	F	6	41.0	Y
282	33	3																			874	771	710	4578	F	6	44.1	Y
283	33	3																			839	750	681	5046	F	6	34.1	N
284	33	3																			830	731	669	4140	M	6	-	-
285	33	3																			902	800	728	5748	F	2	83.1	Y
286	33	3	09/23/85	1.0	ND	ND	0.63	0.32	0.95		T	ND	ND	T	T	0.03	T	ND	T	0.06	803	705	641	3316	M	6	-	-
287	33	3																			823	730	671	4312	M	6	-	-
288	33	3																			920	815	751	6570	F	2	72.0	Y
289	33	3																			859	770	706	5036	F	6	41.3	N
290	33	3																			892	731	729	5672	F	6	54.1	Y
291	33	3	09/23/85	1.9	ND	ND	0.69	0.34	1.03		T	T	ND	T	T	0.04	T	T	T	0.07	855	756	700	4942	M	6	-	-
292	33	3																			895	803	741	5034	M	2	-	-
293	33	3																			831	735	674	4364	M	6	-	-
294	33	3																			895	790	731	5932	M	3	-	-
295	33	3																			841	752	683	4952	F	6	62.5	Y
296	33	3	09/24/85	4.2	ND	ND	0.82	0.41	1.23		T	T	T	T	0.03	0.05	T	T	0.06	0.10	809	711	655	4070	M	6	-	-
297	33	3																			907	806	742	5740	F	6	70.1	Y
298	33	3																			910	805	739	5900	F	2	65.6	Y
299	33	3																			915	817	757	5886	F	6	47.6	Y
300	33	3																			825	729	667	4500	F	6	33.2	N

Appendix Table VIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
301	33	3	09/25/85	2.5	ND	ND	1.45	0.72	2.17	C	T	T	T	T	T	0.08	T	T	0.04	0.14	910	794	731	6025	M	6	-	-
302	33	3																			876	776	709	3910	M	6	-	-
303	33	3																			843	747	687	4642	F	6	48.5	N
304	33	3																			870	780	721	4056	M	2	-	-
305	33	3																			892	790	726	6732	F	6	67.3	Y
306	33	3	09/24/85	1.2	ND	ND	0.45	T	0.65		T	ND	ND	T	T	T	T	T	T	0.05	860	764	702	3562	F	6	40.8	Y
307	33	3																			842	741	681	4474	F	6	31.2	N
308	33	3																			852	756	699	5132	F	6	51.5	Y
309	33	3																			869	780	712	5376	F	2	66.1	Y
310	33	3																			891	791	726	6912	F	2	117.8	Y
311	33	3	09/24/85	1.7	ND	ND	0.90	0.45	1.35		T	ND	ND	T	T	0.05	T	T	0.04	0.10	860	755	692	4440	M	6	-	-
312	33	3																			854	760	702	4726	M	6	-	-
313	33	3																			840	741	680	4694	M	6	-	-
314	33	3																			881	783	720	5120	M	6	-	-
315	33	3																			880	784	723	4300	F	6	32.9	N
316	35	3	09/24/85	0.8	ND	ND	1.07	0.54	1.61	C	T	ND	ND	T	T	0.05	T	T	0.04	0.13	918	820	750	4744	F	6	46.1	N
317	35	3																			842	746	682	3712	M	6	-	-
318	35	3																			850	754	695	3332	M	6	-	-
319	35	3																			761	673	612	3446	M	3	-	-
320	35	3																			912	812	742	6086	F	6	38.8	N
321	35	3	09/24/85	3.5	ND	ND	1.10	0.55	1.65	C	T	T	T	T	0.03	0.06	T	T	0.06	0.13	838	746	681	3984	F	6	46.2	N
322	35	3																			865	766	700	4942	F	6	33.1	N
323	35	3																			856	754	690	3198	M	6	-	-
324	35	3																			708	628	571	3560	F	6	26.0	N
325	35	3																			849	751	695	4718	M	6	-	-
326	35	3	09/24/85	4.1	ND	ND	0.79	0.40	1.19		T	T	T	T	0.03	0.05	T	T	0.06	0.09	888	791	730	5354	F	6	39.5	N
327	35	3																			885	790	725	5318	F	6	41.0	N
328	35	3																			886	782	722	6246	M	3	-	-
329	35	3																			848	743	685	3858	F	6	26.7	N
330	35	3																			826	738	682	4002	F	6	39.0	N
331	35	3	09/27/85	1.4	ND	ND	0.94	0.47	1.41		T	ND	ND	T	T	0.04	T	T	0.04	0.08	842	760	698	4666	F	2	71.6	Y
332	35	3																			838	748	678	3588	F	6	28.6	Y
333	35	3																			800	707	640	3708	M	2	-	-
334	35	3																			819	720	652	3840	M	6	-	-
335	35	3																			836	790	732	5038	F	6	35.6	N
336	37	3	09/27/85	0.4	ND	ND	0.62	0.31	0.93		T	T	T	T	0.03	0.04	T	T	0.05	0.07	572	507	458	1714	U	1	-	-
337	37	3																			595	525	479	1672	U	1	-	-
338	37	3																			631	560	509	2254	F	6	12.6	N
339	37	3																			585	520	473	1784	M	6	-	-
340	37	3																			643	572	520	2186	F	6	13.8	N
341	39	3	10/01/85	0.2	ND	ND	1.18	0.59	1.77	C	T	T	T	T	0.03	0.07	T	T	0.06	0.12	740	655	602	3356	F	2	63.1	Y
342	39	3																			656	574	523	2490	F	6	15.5	Y
343	39	3																			702	622	569	2894	F	6	21.0	Y
344	39	3																			838	739	680	4962	M	2	-	-
345	39	3																			862	771	700	6502	M	6	-	-
346	39	3	09/27/85	9.7	ND	ND	0.86	0.43	1.29		T	T	T	T	0.03	0.05	T	T	0.06	0.08	661	585	538	2492	F	6	15.7	Y
347	39	3																			659	572	526	2352	M	2	-	-
348	39	3																			687	616	565	3040	F	2	46.1	Y
349	39	3																			640	562	515	2176	F	6	10.3	Y
350	39	3																			676	593	542	2788	F	6	16.5	Y

Appendix Table VIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	*Trans*-Chlordane	*Cis*-Chlordane	*Trans*-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
351	39	3	09/27/85	4.4	ND	ND	0.62	0.31	0.93		T	T	T	T	T	0.03	T	T	0.04	0.05	652	572	522	2362	M	2	-	-
352	39	3																			636	568	520	2044	F	6	11.1	Y
353	39	3																			648	570	519	2416	M	6	-	-
354	39	3																			682	608	558	2720	M	2	-	-
355	39	3																			705	629	577	2676	F	2	26.9	Y
356	39	3	09/27/85	5.2	ND	ND	0.58	T	0.78		T	T	T	T	T	0.03	T	T	0.04	0.05	654	579	530	2306	M	6	-	-
357	39	3																			682	600	558	2744	M	3	-	-
358	39	3																			670	600	549	2424	F	6	15.1	Y
359	39	3																			719	630	572	3012	F	2	42.6	Y
360	39	3																			650	574	525	2318	M	2	-	-

APPENDIX TABLE IX.

SITE 11 (New York Bight, August 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	trans-Chlordane	cis-Chlordane	trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
1	42	2	09/23/85	2.3	ND	ND	0.31	T	0.51		T	ND	ND	T	T	T	ND	ND	T	0.03	349	309	273	366	U	1	-	-
2	42	2																			528	466	425	1272	U	1	-	-
3	42	2																			378	336	303	524	F	1	1.9	N
4	42	2																			404	354	320	532	U	1	-	-
5	42	2																			383	340	306	470	U	1	-	-
6	42	2	09/23/85	0.8	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	357	316	283	398	F	1	1.1	N
7	42	2																			366	329	285	380	U	1	-	-
8	42	2																			439	386	346	740	M	1	-	-
9	42	2																			376	335	300	476	U	1	-	-
10	42	2																			390	342	310	504	U	1	-	-
11	42	2	09/23/85	1.0	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	370	328	296	432	F	1	1.2	N
12	42	2																			361	320	290	390	F	1	1.7	N
13	42	2																			378	334	301	442	M	1	-	-
14	42	2																			368	325	294	414	U	1	-	-
15	42	2																			520	456	415	1290	F	6	6.1	N
16	42	2	09/23/85	0.9	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	360	319	286	376	U	1	-	-
17	42	2																			371	331	298	424	F	1	1.7	N
18	42	2																			379	335	301	434	U	1	-	-
19	42	2																			405	354	319	552	F	1	1.9	N
20	42	2																			351	310	280	362	M	1	-	-
21	42	2	09/23/85	0.6	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	350	312	285	380	M	1	-	-
22	42	2																			362	318	286	384	M	1	-	-
23	42	2																			431	384	350	756	F	1	4.2	N
24	42	2																			360	318	284	394	U	1	-	-
25	42	2																			362	322	288	388	F	1	1.3	N
26	42	2	09/11/85	0.4	ND	ND	T	T	0.20		ND	ND	T	ND	ND	T	ND	ND	T	T	371	329	294	458	F	1	1.8	N
27	42	2																			361	318	288	400	U	1	-	-
28	42	2																			360	320	288	385	U	1	-	-
29	42	2																			373	335	300	446	U	1	-	-
30	42	2																			352	311	280	366	U	1	-	-
31	45	3	10/01/85	5.0	ND	ND	0.80	0.40	1.20		T	T	T	T	0.03	0.04	T	T	0.06	0.07	661	580	534	2516	F	6	13.6	Y
32	45	3																			690	614	563	2970	F	6	15.0	Y
33	45	3																			737	650	595	3742	F	6	25.9	Y
34	45	3																			662	590	543	2718	M	6	-	-
35	45	3																			715	627	579	2892	F	2	32.1	Y
36	45	3	10/01/85	7.3	ND	ND	1.09	0.55	1.64	C	T	T	T	T	0.04	0.06	T	T	0.08	0.11	885	776	720	5598	M	6	-	-
37	45	3																			632	565	513	2226	M	6	-	-
38	45	3																			690	607	560	2642	F	6	15.8	Y
39	45	3																			699	618	563	2764	F	6	15.5	Y
40	45	3																			670	589	540	2400	F	6	18.4	N
41	45	3	10/17/85	3.3	ND	ND	0.62	0.31	0.93		T	T	T	T	0.03	0.03	T	T	0.05	0.06	660	570	521	2324	M	6	-	-
42	45	3																			654	589	532	2518	M	6	-	-
43	45	3																			691	605	550	2676	F	6	12.4	Y
44	45	3																			720	630	580	3030	F	6	20.1	Y
45	45	3																			697	610	560	2930	F	6	18.3	Y
46	45	3	10/17/85	5.6	ND	ND	0.87	0.43	1.30		T	T	T	T	0.05	0.05	T	T	0.07	0.08	659	584	531	2472	F	6	11.9	N
47	45	3																			720	632	580	3342	F	6	15.5	Y
48	45	3																			785	690	640	3272	M	6	-	-
49	45	3																			785	610	560	2764	M	6	-	-
50	45	3																			665	580	530	2752	M	6	-	-

Appendix Table IX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	45	3	10/19/85	6.0	ND	ND	0.94	0.47	1.41		T	T	T	T	0.03	0.05	T	T	0.04	0.08	729	639	583	2868	F	6	10.0	Y
52	45	3																			664	583	535	2686	M	6	-	-
53	45	3																			709	621	573	2794	M	6	-	-
54	45	3																			684	598	550	2612	M	6	-	-
55	45	3																			860	760	711	5720	M	6	-	-
56	45	3	10/22/85	10.0	ND	ND	1.78	0.89	2.67	C	T	T	T	0.03	0.06	0.07	T	T	0.10	0.13	684	605	555	2962	F	6	13.1	Y
57	45	3																			680	599	545	2376	F	6	11.1	Y
58	45	3																			722	641	580	3014	F	6	16.5	Y
59	45	3																			690	617	565	2712	M	6	-	-
60	45	3																			700	610	562	2844	M	6	-	-
61	45	3	10/10/85	5.0	ND	ND	0.80	0.40	1.20		T	T	T	T	0.03	0.04	T	T	0.05	0.07	685	600	550	2458	F	6	16.2	N
62	45	3																			644	568	520	2450	M	6	-	-
63	45	3																			680	600	551	2626	F	6	16.4	Y
64	45	3																			680	600	550	2440	M	6	-	-
65	45	3																			700	610	560	2648	F	6	10.0	N
66	45	3	10/10/85	4.9	ND	ND	0.97	0.49	1.46		T	T	T	T	0.03	0.05	T	T	0.06	0.09	702	610	560	2658	F	6	16.1	Y
67	45	3																			630	560	510	2032	M	6	-	-
68	45	3																			670	585	540	2254	M	6	-	-
69	45	3																			663	581	460	1720	F	6	6.8	N
70	45	3																			640	564	521	2216	F	6	9.3	Y
71	45	3	10/10/85	8.1	ND	ND	0.75	0.37	1.12		T	T	T	0.03	0.07	0.04	T	T	0.12	0.07	901	796	732	6244	M	6	-	-
72	45	3																			754	663	601	3882	F	6	17.0	Y
73	45	3																			815	727	671	4602	F	6	26.3	Y
74	45	3																			750	651	605	2954	F	6	16.5	Y
75	45	3																			600	530	490	2020	F	6	10.3	Y
76	45	3	10/10/85	3.1	ND	ND	0.92	0.46	1.38		T	ND	T	ND	T	0.05	ND	ND	T	0.08	710	620	580	3110	F	6	16.1	N
77	45	3																			640	566	520	2260	M	6	-	-
78	45	3																			707	613	565	2696	F	6	24.2	Y
79	45	3																			685	601	546	3130	M	6	12.5	Y
80	45	3																			930	836	780	6172	F	6	49.7	Y
81	45	3	10/10/85	7.0	ND	ND	0.88	0.44	1.32		T	T	T	T	0.03	0.04	T	ND	0.06	0.08	738	650	599	3072	M	6	-	-
82	45	3																			680	607	553	2564	M	6	-	-
83	45	3																			709	615	568	2890	F	6	16.6	Y
84	45	3																			697	615	570	2770	M	6	-	-
85	45	3																			686	601	552	2842	M	6	-	-
86	45	3	10/16/85	6.3	ND	ND	1.02	0.51	1.53	C	T	T	T	T	0.04	0.05	T	T	0.06	0.10	660	570	525	2526	M	6	-	-
87	45	3																			611	539	490	2070	M	6	-	-
88	45	3																			670	593	545	2508	F	6	14.7	Y
89	45	3																			725	639	582	3196	F	6	11.5	Y
90	45	3																			645	570	520	2222	M	6	-	-
91	45	3	10/16/85	3.0	ND	ND	0.52	T	0.72		T	T	T	T	T	0.03	T	T	T	0.05	662	582	532	2678	M	6	-	-
92	45	3																			680	601	554	2554	F	6	13.1	N
93	45	3																			674	595	545	2398	M	6	-	-
94	45	3																			700	617	570	2532	M	6	-	-
95	45	3																			692	620	572	2664	F	6	22.2	Y
96	45	3	10/16/85	5.0	ND	ND	0.82	0.41	1.23		T	T	T	T	0.03	0.05	T	T	0.05	0.08	714	630	580	2990	F	6	13.0	Y
97	45	3																			680	595	547	2920	M	6	-	-
98	45	3																			680	594	544	2608	F	6	14.3	Y
99	45	3																			570	509	455	1628	M	6	-	-
100	45	3																			677	597	546	2426	M	6	-	-

Appendix Table IX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
101	45	3	10/17/85	4.3	ND	ND	T	T	0.20		T	T	T	T	0.04	T	T	T	0.06	T	725	631	584	3020	M	6	-	-
102	45	3																			699	617	560	2670	M	6	-	-
103	45	3																			715	621	570	2976	F	6	13.5	N
104	45	3																			695	610	562	2896	M	6	-	-
105	45	3																			694	617	569	2792	M	6	-	-
106	45	3	10/17/85	13.1	ND	ND	0.84	0.42	1.26		T	T	T	T	0.04	0.05	T	T	0.07	0.08	674	590	540	2270	M	6	-	-
107	45	3																			711	619	571	2792	M	6	-	-
108	45	3																			662	581	532	2694	F	6	17.6	N
109	45	3																			707	620	570	2720	F	6	12.7	N
110	45	3																			670	581	530	2490	F	6	9.9	N
111	47	3	10/23/85	0.9	ND	ND	0.68	0.34	1.02		T	T	T	T	T	0.05	T	T	0.04	0.09	701	621	563	2880	M	6	-	-
112	47	3																			569	504	454	1644	M	6	-	-
113	47	3																			691	613	559	2732	M	6	-	-
114	47	3																			748	659	601	3322	M	6	-	-
115	47	3																			705	621	564	2864	F	6	17.3	Y
116	47	3	10/21/85	6.0	ND	ND	1.01	0.51	1.52	C	T	T	T	T	0.04	0.05	T	T	0.06	0.09	709	625	571	3494	F	6	16.1	Y
117	47	3																			734	648	591	3228	F	6	18.6	Y
118	47	3																			703	621	566	2934	M	6	-	-
119	47	3																			644	570	518	2240	M	6	-	-
120	47	3																			645	562	511	2232	F	6	16.2	Y
121	47	3	10/21/85	3.8	ND	ND	0.53	T	0.73		T	T	T	T	T	0.03	T	T	T	0.05	580	511	461	1734	M	6	-	-
122	47	3																			675	596	542	2600	F	6	11.5	Y
123	47	3																			669	590	520	2646	M	6	-	-
124	47	3																			585	512	468	1624	F	6	5.0	N
125	47	3																			565	501	452	1564	F	6	6.1	N
126	49	3	10/22/85	5.5	ND	ND	1.44	0.72	2.16	C	T	T	T	T	0.06	0.09	T	T	0.09	0.13	661	584	531	2250	M	6	-	-
127	49	3																			705	626	569	3058	F	6	13.4	Y
128	49	3																			660	587	538	2350	F	6	15.6	Y
129	49	3																			725	641	591	2744	F	6	22.3	Y
130	49	3																			685	607	557	2672	F	6	21.1	Y
131	49	3	10/21/85	1.7	ND	ND	0.44	T	0.64		T	ND	T	T	T	T	T	ND	T	0.04	641	569	519	1980	F	6	13.5	N
132	49	3																			700	617	562	2622	F	6	18.5	Y
133	49	3																			692	605	555	2202	F	6	17.2	N
134	49	3																			665	593	537	2282	M	6	-	-
135	49	3																			680	599	541	2378	M	6	-	-
136	49	3	10/21/85	9.0	ND	ND	0.83	0.41	1.24		T	T	T	T	0.03	0.04	T	T	0.05	0.07	660	590	538	2506	M	6	-	-
137	49	3																			705	622	562	2930	F	6	24.6	Y
138	49	3																			900	800	732	6756	F	6	44.0	Y
139	49	3																			861	760	691	5590	F	6	53.0	Y
140	49	3																			760	675	612	3740	M	6	-	-
141	49	3	10/24/85	4.1	ND	ND	0.76	0.38	1.14		T	T	T	T	T	0.03	T	T	T	0.06	652	575	526	2186	M	6	-	-
142	49	3																			686	610	551	2484	M	6	-	-
143	49	3																			680	594	545	2296	M	6	-	-
144	49	3																			740	650	593	3380	M	6	-	-
145	49	3																			697	620	563	3140	M	6	-	-
146	49	3	10/24/85	3.0	ND	ND	0.59	T	0.79		T	T	T	T	T	0.03	T	T	T	0.05	673	595	540	2418	F	6	9.7	Y
147	49	3																			660	579	527	2072	M	6	-	-
148	49	3																			730	640	586	3174	M	6	-	-
149	49	3																			797	710	650	3546	F	6	25.3	Y
150	49	3																			680	605	549	2480	M	6	-	-

Appendix Table IX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
151	49	3	10/24/85	3.7	ND	ND	0.68	0.34	1.02		T	T	T	T	T	0.03	T	T	T	0.06	660	578	523	2424	M	6	-	-
152	49	3																			683	609	554	2570	M	6	-	-
153	49	3																			825	725	662	4332	M	6	-	-
154	49	3																			670	590	532	2436	F	6	11.1	N
155	49	3																			675	570	521	2192	F	6	-	Y
156	49	3	10/24/85	5.0	ND	ND	0.91	0.46	1.37		T	T	T	T	0.04	0.05	T	T	0.05	0.09	640	560	509	2342	F	6	12.6	N
157	49	3																			707	621	570	2634	M	6	-	-
158	49	3																			695	616	561	2900	F	6	20.6	Y
159	49	3																			865	761	701	4784	F	6	38.5	Y
160	49	3																			865	763	696	5470	F	6	33.3	Y
161	49	3	10/24/85	2.7	ND	ND	0.56	T	0.76		T	T	ND	T	T	T	T	ND	T	0.05	664	591	542	2612	F	6	9.4	N
162	49	3																			732	644	590	2946	F	6	17.0	Y
163	49	3																			669	590	540	2376	F	6	9.7	N
164	49	3																			801	707	645	3534	M	6	-	-
165	49	3																			646	567	511	2310	F	6	7.7	N
166	49	3	10/30/85	2.9	ND	ND	0.53	T	0.73		T	T	T	T	T	T	T	T	T	0.04	748	660	685	3290	F	6	17.2	Y
167	49	3																			699	618	567	2888	M	6	-	-
168	49	3																			710	629	570	3020	F	6	14.0	Y
169	49	3																			731	635	576	2710	M	6	-	-
170	49	3																			871	762	699	5048	F	6	41.0	Y
171	49	3	10/24/85	3.3	ND	ND	0.69	0.34	1.03		T	T	ND	T	T	0.03	T	T	T	0.06	635	564	512	2060	F	6	12.5	Y
172	49	3																			721	639	586	3098	F	6	12.9	Y
173	49	3																			682	600	552	2626	M	6	-	-
174	49	3																			852	751	692	5130	F	6	38.7	Y
175	49	3																			820	729	675	3744	M	6	-	-
176	49	3	11/14/85	5.8	2.08	ND	4.06	ND	6.14	C	T	T	ND	T	0.03	0.06	T	T	0.05	0.18	685	598	545	2606	M	6	-	-
177	49	3																			899	794	730	5852	M	6	-	-
178	49	3																			699	610	561	2804	F	6	15.7	Y
179	49	3																			658	580	526	2304	M	6	-	-
180	49	3																			669	591	536	2436	M	6	-	-
181	53	3	11/06/85	1.9	ND	ND	0.34	T	0.54		T	T	ND	T	T	T	T	T	T	0.04	863	765	706	4936	M	6	-	-
182	53	3																			874	769	711	4720	F	6	43.0	Y
183	53	3																			853	748	690	4522	F	6	25.7	Y
184	53	3																			906	798	735	5200	F	6	56.1	Y
185	53	3																			845	747	692	4634	M	6	-	-
186	53	3	11/06/85	2.4	0.51	ND	1.00	ND	1.51		T	T	T	T	T	T	T	T	T	0.07	833	733	675	4360	M	6	-	-
187	53	3																			761	685	622	3372	F	6	19.9	Y
188	53	3																			885	796	727	4726	M	6	-	-
189	53	3																			843	746	681	4530	F	6	26.5	Y
190	53	3																			801	709	652	4150	F	6	22.4	Y
191	53	3	11/08/85	1.2	ND	ND	0.68	0.34	1.02		T	ND	ND	T	T	0.04	T	T	T	0.08	866	758	700	4506	F	6	38.0	Y
192	53	3																			883	775	721	4920	M	6	-	-
193	53	3																			860	754	700	4772	M	6	-	-
194	53	3																			869	758	702	4620	M	2	-	-
195	53	3																			891	786	723	5122	M	2	-	-
196	53	3	11/06/85	2.1	ND	ND	0.37	T	0.57		T	ND	ND	T	T	T	T	T	T	0.03	857	760	706	4980	M	6	-	-
197	53	3																			846	745	685	4606	F	6	38.3	Y
198	53	3																			866	767	705	4232	M	6	-	-
199	53	3																			831	726	666	5856	F	6	40.6	Y
200	53	3																			874	764	703	5202	M	2	-	-

Appendix Table IX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
201	53	3	11/20/85	1.5	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	T	T	0.03	825	735	681	4374	M	2	-	-
202	53	3																			910	809	743	5450	F	6	38.7	Y
203	53	3																			870	768	696	4862	M	6	-	-
204	53	3																			840	747	690	4364	F	6	26.2	Y
205	53	3																			910	803	742	5516	F	6	32.9	Y
206	53	3	11/08/85	2.6	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	T	T	0.03	872	774	711	4752	M	6	-	-
207	53	3																			866	772	706	4670	M	6	-	-
208	53	3																			870	770	715	3966	M	6	-	-
209	53	3																			827	739	675	4334	M	6	-	-
210	53	3																			868	766	705	4810	M	6	-	-
211	53	3	11/08/85	2.0	ND	ND	0.50	T	0.70		T	ND	ND	T	T	0.03	T	T	T	0.07	870	779	722	4906	M	6	-	-
212	53	3																			832	730	674	3890	F	6	38.3	Y
213	53	3																			885	775	715	5370	M	6	-	-
214	53	3																			932	845	780	6452	F	6	46.9	Y
215	53	3																			835	729	667	4270	M	2	-	-
216	53	3	11/08/85	1.2	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	T	T	T	840	743	683	4456	M	2	-	-
217	53	3																			884	785	722	5406	M	6	-	-
218	53	3																			819	723	668	3974	F	6	32.4	Y
219	53	3																			844	743	688	4132	F	6	30.0	Y
220	53	3																			765	675	612	3404	F	6	21.0	Y
221	53	3	11/08/85	3.4	ND	ND	0.52	T	0.72		T	T	ND	T	T	0.03	T	T	0.04	0.07	893	792	722	5570	F	6	44.2	Y
222	53	3																			882	783	722	5550	F	6	44.7	Y
223	53	3																			850	750	685	4200	F	6	24.3	Y
224	53	3																			910	805	743	5176	M	6	-	Y
225	53	3																			886	785	720	5070	F	6	47.4	Y
226	53	3	11/06/85	1.8	ND	ND	0.59	T	0.79		T	ND	ND	T	T	T	T	T	T	0.05	840	758	700	4410	M	6	-	-
227	53	3																			880	770	717	4902	M	6	-	-
228	53	3																			799	700	650	3812	M	6	-	-
229	53	3																			835	737	680	4472	F	6	26.7	N
230	53	3																			861	760	700	4402	F	6	40.3	Y
231	53	3	11/06/85	3.1	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	T	T	0.03	839	750	692	4824	F	6	32.1	Y
232	53	3																			850	758	702	4494	M	6	-	-
233	53	3																			843	743	682	4132	M	6	-	-
234	53	3																			855	757	693	4616	F	6	34.1	Y
235	53	3																			870	762	701	4794	M	2	-	-
236	53	3	11/06/85	1.2	ND	ND	T	T	0,20		T	ND	ND	T	T	T	T	T	T	T	937	829	770	5752	F	6	46.7	Y
237	53	3																			912	801	742	5312	M	6	-	-
238	53	3																			856	763	702	4680	M	3	-	-
239	53	3																			867	769	711	4960	M	6	-	-
240	53	3																			849	750	697	4190	M	6	-	-
241	53	3	11/06/85	1.2	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	T	T	T	849	753	690	4502	F	6	25.2	Y
242	53	3																			865	760	699	4960	M	6	-	-
243	53	3																			873	769	711	5016	F	6	39.4	Y
244	53	3																			888	789	723	5212	F	6	46.1	Y
245	53	3																			845	745	690	4554	F	6	43.3	Y
246	55	3	11/12/85	3.4	ND	ND	0.58	T	0.78		T	T	T	T	T	0.03	T	T	T	0.05	576	510	469	1722	M	6	-	-
247	55	3																			593	521	476	1828	M	6	-	-
248	55	3																			579	516	471	1682	F	6	-	N
249	55	3																			677	600	549	2288	F	6	-	N
250	55	3																			586	523	475	1668	M	6	-	-

Appendix Table IX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
251	55	3	11/19/85	2.4	ND	ND	0.59	T	0.79		T	T	ND	T	T	T	T	T	T	0.04	660	587	538	2460	F	6	-	M
252	55	3																			579	511	471	1694	M	6	-	-
253	55	3																			566	501	458	1624	M	6	-	-
254	55	3																			564	501	460	1390	M	6	-	-
255	55	3																			557	501	458	1412	F	6	-	M
256	58	3	11/19/85	4.6	ND	ND	0.69	0.34	1.03		T	T	T	T	T	0.04	T	ND	T	0.06	689	601	556	2500	F	6	-	M
257	58	3																			686	613	562	2554	M	6	-	-
258	58	3																			576	514	464	1640	M	6	-	-
259	58	3																			672	610	555	2590	M	6	-	-
260	58	3																			671	610	555	2630	M	6	-	-
261	59	3	11/19/85	2.0	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	T	T	0.03	855	772	710	4076	F	6	-	M
262	59	3																			909	795	735	5602	F	6	-	M
263	59	3																			843	756	694	4460	F	6	-	M
264	59	3																			892	790	733	5146	F	6	-	M
265	59	3																			821	738	679	4168	F	6	-	M
266	59	3	11/20/85	1.1	ND	ND	0.31	T	0.51		T	ND	ND	T	T	T	T	ND	T	0.04	832	730	680	4538	M	6	-	-
267	59	3																			851	753	692	4740	M	6	-	-
268	59	3																			845	749	692	4218	M	6	-	-
269	59	3																			829	742	679	4276	M	6	-	-
270	59	3																			827	730	660	4176	F	6	-	M
271	59	3	11/19/85	2.3	ND	ND	0.40	T	0.60		T	ND	ND	T	T	T	T	T	T	0.05	835	747	690	4334	M	6	-	-
272	59	3																			875	787	730	5160	F	6	-	M
273	59	3																			788	701	650	3736	M	6	-	-
274	59	3																			874	782	722	5126	F	6	-	M
275	59	3																			836	737	682	4438	M	6	-	-
276	59	3	11/20/85	2.6	ND	ND	0.42	T	0.62		T	ND	ND	T	T	T	T	ND	T	0.05	850	753	696	4350	F	6	-	M
277	59	3																			888	790	735	5096	M	6	-	-
278	59	3																			829	733	679	4248	M	6	-	-
279	59	3																			822	743	684	4520	M	6	-	-
280	59	3																			820	730	676	4446	M	6	-	-
281	59	3	11/20/85	3.6	ND	ND	0.61	0.31	0.92		T	ND	ND	T	T	0.04	T	T	T	0.08	832	745	686	4490	M	6	-	-
282	59	3																			869	770	700	4634	F	6	40.7	Y
283	59	3																			819	733	663	4806	F	6	47.4	Y
284	59	3																			875	780	715	5386	M	6	-	-
285	59	3																			839	746	680	4306	F	6	-	M
286	59	3	11/20/85	4.7	ND	ND	0.49	T	0.69		T	ND	ND	T	T	0.03	T	ND	T	0.06	895	780	722	5014	F	6	-	M
287	59	3																			646	580	520	2250	F	6	-	M
288	59	3																			799	716	656	4014	M	6	-	-
289	59	3																			774	687	623	3304	F	6	-	M
290	59	3																			838	748	685	4580	F	6	-	M
291	59	3	11/20/85	3.6	ND	ND	0.49	T	0.69		T	ND	ND	T	T	0.03	T	ND	T	0.06	831	746	683	4610	F	6	-	M
292	59	3																			847	755	692	4860	F	6	-	M
293	59	3																			827	749	681	4200	M	6	-	-
294	59	3																			821	726	665	4184	M	6	-	-
295	59	3																			875	777	720	4750	F	6	-	M
296	59	3	11/20/85	3.2	ND	ND	0.39	T	0.59		T	ND	ND	T	T	0.03	T	ND	T	0.05	866	780	715	5168	M	6	-	-
297	59	3																			885	800	730	5254	F	6	-	M
298	59	3																			810	719	661	4276	M	6	-	-
299	59	3																			900	802	730	5146	F	6	-	M
300	59	3																			855	754	690	4496	F	6	-	M

Appendix Table IX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
301	59	3	11/20/85	3.4	ND	ND	0.52	T	0.72		T	ND	ND	T	T	0.03	T	ND	T	0.07	836	735	674	4132	M	2	-	-
302	59	3																			831	736	677	4140	M	6	-	-
303	59	3																			835	738	685	4104	F	6	-	N
304	59	3																			824	727	671	4370	M	6	-	-
305	59	3																			911	809	754	5552	M	6	-	-
306	59	3	11/20/85	4.1	ND	ND	0.44	T	0.64		T	ND	ND	T	T	0.03	T	ND	T	0.06	730	654	585	2914	M	6	-	-
307	59	3																			850	750	694	4544	F	6	-	N
308	59	3																			833	738	672	4220	M	6	-	-
309	59	3																			838	738	680	4224	F	6	-	N
310	59	3																			787	700	644	3332	M	6	-	-
311	59	3	11/21/85	6.0	ND	ND	0.57	T	0.77		T	T	T	T	T	0.04	T	T	T	0.08	837	744	681	4436	F	6	-	N
312	59	3																			865	780	715	4732	M	6	-	-
313	59	3																			831	734	674	3706	M	6	-	-
314	59	3																			760	668	605	3568	F	6	-	N
315	59	3																			805	710	660	3600	F	6	-	N
316	59	3	11/21/85	1.9	ND	ND	0.43	T	0.63		ND	ND	ND	T	T	T	T	ND	T	0.05	810	728	665	4082	M	6	-	-
317	59	3																			870	777	721	5170	M	6	-	-
318	59	3																			851	761	702	4826	F	6	-	N
319	59	3																			864	769	702	4560	M	6	-	-
320	59	3																			882	775	712	4012	F	6	-	N
321	59	3	11/21/85	1.7	ND	ND	0.36	T	0.56		ND	ND	ND	T	T	T	ND	ND	T	0.04	801	710	657	3950	F	6	-	N
322	59	3																			900	802	740	5070	M	6	-	-
323	59	3																			902	792	732	5200	M	6	-	-
324	59	3																			840	746	677	4100	F	6	-	N
325	59	3																			835	751	695	4630	F	6	-	N
326	59	3	11/21/85	1.1	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	ND	T	0.03	860	762	700	4590	F	6	-	N
327	59	3																			892	790	722	4760	M	6	-	-
328	59	3																			860	769	703	4576	M	6	-	-
329	59	3																			840	748	680	4208	M	6	-	-
330	59	3																			881	785	725	4766	F	6	-	N
331	59	3	11/21/85	2.3	ND	ND	0.31	T	0.51		ND	ND	ND	T	T	T	T	T	T	0.04	825	734	670	4206	F	6	-	N
332	59	3																			800	719	657	4178	M	6	-	-
333	59	3																			843	753	687	4196	M	6	-	-
334	59	3																			824	735	673	4234	F	6	-	N
335	59	3																			844	735	681	4544	M	6	-	-
336	59	3	11/21/85	1.9	ND	ND	0.32	T	0.52		ND	ND	ND	T	T	T	ND	ND	T	0.05	868	767	700	4518	M	6	-	-
337	59	3																			780	692	635	3064	M	6	-	-
338	59	3																			812	722	670	4078	M	6	-	-
339	59	3																			950	839	780	5752	M	6	-	-
340	59	3																			858	770	707	5060	M	6	-	-
341	59	3	11/21/85	2.0	ND	ND	0.62	0.31	0.93		ND	ND	ND	T	T	0.03	T	ND	T	0.08	744	657	606	3104	M	6	-	-
342	59	3																			885	783	714	4852	M	6	-	-
343	59	3																			836	751	692	4008	F	6	-	N
344	59	3																			803	715	660	4114	M	6	-	-
345	59	3																			840	757	692	4720	M	6	-	-
346	59	3	11/22/85	2.5	ND	ND	0.32	T	0.52		ND	T	ND	T	T	T	T	T	T	0.04	840	743	690	4348	F	6	-	N
347	59	3																			835	747	684	4072	M	6	-	-
348	59	3																			835	750	689	4490	M	6	-	-
349	59	3																			821	741	680	4418	M	6	-	-
350	59	3																			837	749	692	4474	M	2	-	-

Appendix Table IX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	a-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
351	59	3	11/22/85	5.0	ND	ND	0.36	T	0.56		T	T	ND	T	T	T	T	T	T	0.04	885	781	722	5056	M	6	-	-
352	59	3																			801	719	656	4094	F	6	-	N
353	59	3																			800	782	714	5190	M	6	-	-
354	59	3																			868	780	711	3974	F	6	-	N
355	59	3																			877	782	717	5890	F	6	-	N

APPENDIX TABLE X.

SITE 12 (New England, August 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlordane Epoxide	o,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Maturation
1	43	2	10/04/85	1.3	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	518	460	415	1210	M	6	-	-
2	43	2																			523	464	425	1240	U	1	-	-
3	43	2																			545	480	435	1346	U	1	-	-
4	43	2																			533	468	425	1262	F	1	5.0	N
5	43	2																			560	495	449	1420	M	1	-	-
6	43	2	10/04/85	2.2	ND	ND	0.51	T	0.71		T	T	ND	T	T	T	T	ND	T	0.04	467	410	370	806	F	1	4.6	N
7	43	2																			550	487	440	1510	U	1	-	-
8	43	2																			554	490	442	1340	F	1	6.2	N
9	43	2																			534	470	425	1226	F	1	4.6	N
10	43	2																			545	484	438	1300	F	1	5.7	N
11	43	2	10/01/85	1.6	ND	ND	0.30	T	0.50		ND	ND	ND	T	T	T	ND	ND	T	0.03	545	479	433	1240	M	1	-	-
12	43	2																			514	459	416	1174	U	1	-	-
13	43	2																			516	450	411	1196	M	1	-	-
14	43	2																			548	476	433	1420	F	1	8.0	N
15	43	2																			525	465	420	1282	F	1	5.0	N
16	43	2	10/01/85	0.9	ND	ND	T	T	0.20		T	ND	ND	ND	T	T	ND	ND	T	T	520	463	417	1222	M	1	-	-
17	43	2																			494	430	390	1082	U	1	-	-
18	43	2																			557	490	450	1574	F	1	5.2	N
19	43	2																			477	420	383	1030	F	1	5.0	N
20	43	2																			543	484	440	1376	U	1	-	-
21	43	2	10/01/85	1.3	ND	ND	T	T	0.20		T	ND	ND	T	T	T	ND	ND	T	T	527	465	425	1216	M	1	-	-
22	43	2																			546	489	447	1536	M	1	-	-
23	43	2																			520	460	421	1200	F	1	6.6	N
24	43	2																			511	453	400	1136	U	1	-	-
25	43	2																			530	460	420	1246	F	1	4.0	N
26	43	2	10/01/85	1.2	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	T	T	ND	552	486	442	1444	F	2	5.9	N
27	43	2																			538	477	439	1316	F	1	5.1	N
28	43	2																			505	447	406	1134	U	1	-	-
29	43	2																			515	461	420	1238	M	1	-	-
30	43	2																			516	459	417	880	U	1	-	-
31	46	3	10/17/85	7.2	ND	ND	0.89	0.45	1.34		T	T	T	T	0.04	0.06	T	T	0.08	0.10	838	746	675	4318	F	6	29.7	Y
32	46	3																			720	645	592	3326	F	6	12.6	N
33	46	3																			820	732	662	4326	M	6	-	-
34	46	3																			750	665	595	3636	M	6	-	-
35	46	3																			690	626	570	2592	F	6	9.8	N
36	46	3	10/17/85	11.4	ND	ND	1.29	0.64	1.93	C	T	T	T	T	T	0.08	T	T	T	0.14	741	663	608	3622	F	6	13.0	N
37	46	3																			844	755	687	4956	F	6	28.0	Y
38	46	3																			660	581	530	2510	F	6	12.0	N
39	46	3																			855	761	698	5456	F	6	30.1	Y
40	46	3																			844	751	689	5054	F	6	32.6	Y
41	46	3	10/16/85	13.4	ND	ND	0.91	0.45	1.36		T	T	T	T	0.04	0.06	T	T	0.06	0.10	736	652	598	3024	M	6	-	-
42	46	3																			800	718	658	4492	F	6	28.0	Y
43	46	3																			859	764	702	4066	M	6	-	-
44	46	3																			852	753	692	4894	F	6	31.7	Y
45	46	3																			835	752	690	4704	F	6	36.0	Y
46	46	3	10/16/85	12.7	ND	ND	1.01	0.50	1.51	C	T	0.010	T	T	0.03	0.07	T	T	0.06	0.12	839	749	693	5290	F	6	39.2	Y
47	46	3																			678	600	548	2696	M	6	-	-
48	46	3																			844	748	688	4826	F	6	39.6	Y
49	46	3																			849	759	699	5276	F	6	36.7	Y
50	46	3																			827	728	665	4644	F	6	28.7	Y

Appendix Table X. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	46	3	10/04/85	9.1	ND	ND	0.87	0.44	1.31		T	T	T	T	0.04	0.06	T	0.05	0.07	0.10	807	718	655	4112	M	6	-	-
52	46	3																			802	711	652	4374	F	6	29.7	N
53	46	3																			702	695	636	4178	F	6	20.3	Y
54	46	3																			720	635	501	2700	F	6	14.1	N
55	46	3																			810	710	662	4290	M	6	-	-
56	46	3	10/04/85	10.1	ND	ND	0.78	0.39	1.17		T	T	T	T	0.04	0.06	T	0.05	0.06	0.09	870	779	715	4214	M	6	-	-
57	46	3																			841	746	690	4682	F	6	39.0	Y
58	46	3																			836	738	682	4906	F	6	30.9	Y
59	46	3																			679	601	546	2502	M	6	-	-
60	46	3																			723	645	596	3360	M	6	-	-
61	46	3	10/04/85	10.0	ND	ND	0.91	0.46	1.37		T	T	T	T	0.04	0.07	T	T	0.07	0.11	776	691	632	3910	F	6	37.0	Y
62	46	3																			752	676	622	4236	M	6	-	-
63	46	3																			830	730	671	4560	M	6	-	-
64	46	3																			766	685	626	3600	F	6	20.1	Y
65	46	3																			861	766	700	4050	F	6	42.4	Y
66	46	3	10/04/85	12.6	ND	ND	1.05	0.53	1.58	C	T	0.010	T	T	0.04	0.08	T	0.05	0.07	0.13	790	701	642	4340	M	6	-	-
67	46	3																			806	788	726	5770	M	6	-	-
68	46	3																			884	785	719	5372	F	6	45.7	Y
69	46	3																			735	640	597	2722	F	6	17.5	Y
70	46	3																			850	761	700	5254	F	6	36.4	Y
71	46	3	10/04/85	10.8	ND	ND	0.84	0.42	1.26		T	T	T	T	0.04	0.06	T	T	0.06	0.10	845	748	686	5140	F	6	40.0	Y
72	46	3																			739	660	603	3918	M	6	-	-
73	46	3																			801	719	660	4532	M	6	-	-
74	46	3																			810	716	659	4128	F	6	20.7	Y
75	46	3																			695	610	559	2532	F	6	19.1	Y
76	46	3	10/04/85	7.4	ND	ND	0.77	0.39	1.16		T	T	T	T	0.03	0.05	T	T	0.06	0.10	714	636	501	3038	M	6	-	-
77	46	3																			724	641	588	3216	M	6	-	-
78	46	3																			857	760	690	4594	F	6	46.9	Y
79	46	3																			838	749	688	4526	F	6	28.4	Y
80	46	3																			825	728	669	4336	M	6	-	-
81	46	3	10/16/85	11.2	ND	ND	0.91	0.46	1.37		T	T	T	T	0.04	0.06	T	T	0.06	0.09	822	733	670	4164	M	6	-	-
82	46	3																			826	736	672	4684	F	6	24.5	Y
83	46	3																			720	635	582	2682	F	6	13.2	N
84	46	3																			785	688	630	4208	F	6	27.6	Y
85	46	3																			706	624	570	2976	F	6	16.0	Y
86	46	3	10/16/85	7.8	ND	ND	0.89	0.45	1.34		T	T	T	T	T	0.06	T	T	0.04	0.10	733	656	594	3320	F	6	15.0	Y
87	46	3																			888	795	728	4938	M	6	-	-
88	46	3																			682	600	552	2442	M	6	-	-
89	46	3																			800	707	645	4498	F	6	34.4	Y
90	46	3																			898	786	724	5516	F	6	38.4	Y
91	46	3	10/21/85	7.8	ND	ND	0.69	0.34	1.03		T	T	T	T	T	0.05	T	T	0.04	0.09	872	769	702	5302	F	6	39.3	Y
92	46	3																			814	724	660	4590	F	6	30.2	Y
93	46	3																			822	734	675	3492	M	6	-	-
94	46	3																			703	622	571	2844	F	6	15.4	Y
95	46	3																			780	686	625	3564	M	6	-	-
96	46	3	10/21/85	8.0	ND	ND	0.79	0.40	1.19		T	T	T	T	0.03	0.06	T	T	0.05	0.10	726	636	583	2978	F	6	13.1	N
97	46	3																			730	647	593	3288	M	6	-	-
98	46	3																			798	718	649	4114	F	6	27.4	Y
99	46	3																			906	803	745	5326	F	6	41.5	Y
100	46	3																			806	700	651	4402	M	6	-	-

Appendix Table X. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	46	3	10/19/85	11.3	ND	ND	1.11	0.55	1.66	C	T	T	T	T	0.03	0.07	T	T	0.05	0.12	808	717	652	5058	M	6	-	-
102	46	3																			718	636	584	2922	F	6	11.5	N
103	46	3																			841	740	674	5336	M	6	-	-
104	46	3																			773	690	621	4376	F	6	27.4	Y
105	46	3																			818	725	653	4642	F	6	32.5	Y
106	46	3	10/19/85	8.9	ND	ND	1.02	0.51	1.53	C	T	T	T	T	0.03	0.06	T	T	0.05	0.10	598	530	484	1970	M	6	-	-
107	46	3																			875	770	711	5314	M	6	-	-
108	46	3																			745	651	595	3356	M	6	-	-
109	46	3																			840	749	678	5252	F	6	38.1	Y
110	46	3																			780	686	634	4200	M	6	-	-
111	46	3	10/17/85	6.6	ND	ND	0.31	T	0.51		T	T	T	T	0.04	T	T	T	0.05	0.03	742	663	605	3256	M	6	-	-
112	46	3																			813	720	642	4148	M	6	-	-
113	46	3																			859	764	700	4780	M	6	-	-
114	46	3																			640	565	512	2072	F	6	2.3	N
115	46	3																			851	754	693	4966	F	6	31.9	Y
116	46	3	10/17/85	9.1	ND	ND	0.65	0.32	0.97		T	T	0.020	T	0.04	0.05	T	T	0.06	0.05	785	618	564	2860	F	6	13.6	Y
117	46	3																			749	658	604	3516	F	6	15.5	Y
118	46	3																			787	689	630	4204	F	6	30.6	Y
119	46	3																			830	740	670	4698	M	6	-	-
120	46	3																			717	635	566	3210	F	6	12.2	Y
121	46	3	11/06/85	11.4	ND	ND	0.59	T	0.79		T	T	T	T	0.03	0.03	T	T	0.04	0.07	824	730	676	5036	F	6	41.1	Y
122	46	3																			851	756	696	4524	F	6	34.4	Y
123	46	3																			838	746	674	4394	M	6	-	-
124	46	3																			735	641	591	3072	F	6	16.1	Y
125	46	3																			675	595	544	2496	M	6	-	-
126	46	3	10/19/85	10.8	ND	ND	0.88	0.44	1.32		T	T	T	T	0.03	0.06	T	T	0.05	0.09	835	744	681	4284	M	6	-	-
127	46	3																			723	637	578	3096	F	6	12.0	N
128	46	3																			825	732	669	4326	F	6	31.2	Y
129	46	3																			795	706	639	4564	F	6	46.8	Y
130	46	3																			844	739	674	5388	M	6	-	-
131	46	3	10/19/85	6.6	ND	ND	0.86	0.43	1.29		T	T	T	T	0.03	0.05	T	T	0.04	0.08	803	715	646	4382	M	6	-	-
132	46	3																			725	640	577	2878	F	6	17.2	N
133	46	3																			692	609	546	2776	M	6	-	-
134	46	3																			811	720	651	4218	F	6	17.5	Y
135	46	3																			800	703	641	3788	F	6	21.5	N
136	46	3	10/22/85	8.5	ND	ND	1.68	0.84	2.52	C	T	T	T	T	0.04	0.08	T	T	0.06	0.13	718	633	578	3086	F	6	16.1	N
137	46	3																			815	722	650	4204	F	6	20.3	N
138	46	3																			640	569	512	2298	M	6	-	-
139	46	3																			810	709	635	4442	M	6	-	-
140	46	3																			830	745	682	4464	M	6	-	-
141	50	3	10/28/85	4.7	1.54	ND	2.95	ND	4.49	C	T	T	ND	T	0.03	T	T	T	T	0.13	576	510	468	1750	F	6	5.0	N
142	50	3																			590	522	475	1736	F	6	6.8	N
143	50	3																			735	657	600	3168	F	6	15.2	N
144	50	3																			771	681	621	3782	F	6	17.7	N
145	50	3																			825	732	671	4612	F	6	35.7	Y
146	52	3	10/30/85	14.8	ND	ND	0.88	0.44	1.32		T	0.010	T	T	0.04	0.07	T	T	0.05	0.11	841	741	680	4462	M	6	-	-
147	52	3																			790	694	640	4622	M	6	-	-
148	52	3																			795	700	652	4676	M	6	-	-
149	52	3																			859	757	697	5030	F	6	33.5	Y
150	52	3																			860	767	709	5274	F	6	45.5	Y

Appendix Table X. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
151	52	3	10/30/85	15.2	ND	ND	0.89	0.44	1.33		T	0.010	T	T	0.04	0.06	T	T	0.05	0.09	882	783	731	6590	F	6	52.4	Y
152	52	3																			868	764	703	5370	F	6	36.8	Y
153	52	3																			750	660	609	3774	M	6	-	-
154	52	3																			827	734	677	4772	F	6	29.4	Y
155	52	3																			830	729	674	5100	F	6	40.0	Y
156	52	3	10/23/85	5.4	ND	ND	0.84	0.42	1.26		T	T	T	T	0.03	0.05	T	T	0.04	0.08	845	743	685	5626	F	6	46.9	Y
157	52	3																			840	740	684	5176	F	6	31.3	Y
158	52	3																			894	794	738	5842	M	6	-	-
159	52	3																			943	831	769	6270	M	6	-	-
160	52	3																			773	680	620	4210	M	6	-	-
161	52	3	10/30/85	17.9	ND	ND	0.78	0.39	1.17		T	0.010	T	T	0.04	0.06	T	T	0.05	0.10	865	768	706	5430	M	6	-	-
162	52	3																			842	742	685	4816	F	6	33.2	Y
163	52	3																			873	776	713	6752	F	6	40.0	Y
164	52	3																			882	784	726	6072	F	6	36.7	Y
165	52	3																			844	746	692	5410	F	6	39.7	Y
166	52	3	10/30/85	10.9	ND	ND	0.88	0.44	1.32		T	T	T	T	0.03	0.06	T	T	0.04	0.10	845	749	686	5340	M	6	-	-
167	52	3																			829	730	670	4390	M	6	-	-
168	52	3																			800	708	646	4590	F	6	21.9	Y
169	52	3																			834	730	680	5200	F	6	42.0	Y
170	52	3																			884	786	732	5680	M	6	-	-
171	52	3	10/30/85	17.4	ND	ND	0.84	0.43	1.27		T	0.020	T	T	0.03	0.05	T	T	0.04	0.10	866	769	715	5790	F	6	26.3	Y
172	52	3																			866	767	710	6300	M	6	-	-
173	52	3																			832	735	681	6002	F	6	28.1	Y
174	52	3																			835	738	680	5050	F	6	29.2	Y
175	52	3																			820	713	655	4896	M	6	-	-
176	52	3	11/01/85	13.2	ND	ND	0.72	0.35	1.07		T	T	T	T	0.03	0.05	T	T	T	0.08	862	770	711	5000	M	6	-	-
177	52	3																			832	740	682	5024	F	6	30.2	Y
178	52	3																			835	737	675	4760	F	6	28.0	Y
179	52	3																			878	775	715	5190	F	6	33.7	Y
180	52	3																			866	764	717	5466	F	6	34.8	Y
181	52	3	10/30/85	13.6	ND	ND	0.95	0.47	1.42		T	0.010	T	T	0.04	0.06	T	T	0.05	0.10	887	790	722	6002	F	6	43.5	Y
182	52	3																			858	760	704	5246	M	6	-	-
183	52	3																			863	770	710	5206	M	6	-	-
184	52	3																			911	805	742	6632	M	6	-	-
185	52	3																			852	750	685	5572	F	6	34.4	Y
186	52	3	10/23/85	15.7	ND	ND	0.92	0.46	1.38		T	T	T	T	T	0.07	T	T	0.04	0.12	850	755	686	5166	M	6	-	-
187	52	3																			849	754	697	4900	M	6	-	-
188	52	3																			834	744	674	4964	F	6	28.9	Y
189	52	3																			848	749	682	4650	F	6	61.9	Y
190	52	3																			845	738	673	5090	M	6	-	-
191	52	3	11/01/85	19.4	ND	ND	0.71	0.36	1.07		T	0.010	T	T	0.03	0.06	T	T	0.04	0.08	839	743	681	5304	F	6	34.7	Y
192	52	3																			804	711	656	4660	M	6	-	-
193	52	3																			815	716	660	4816	M	6	-	-
194	52	3																			855	754	698	5246	M	6	-	-
195	52	3																			827	730	671	4956	F	6	39.9	Y
196	52	3	11/01/85	16.8	ND	ND	0.98	0.49	1.47		T	0.010	T	T	0.03	0.07	T	T	0.05	0.12	831	738	665	4712	M	6	-	-
197	52	3																			897	793	730	6000	F	6	57.3	Y
198	52	3																			894	791	721	6240	M	6	-	-
199	52	3																			832	735	681	5234	F	6	28.9	Y
200	52	3																			906	805	742	7400	F	6	56.5	Y

Appendix Table X. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
201	52	3	11/01/85	20.4	ND	ND	0.76	0.38	1.14		T	0.010	T	T	0.03	0.05	T	T	0.04	0.08	845	745	680	5606	M	6	-	-
202	52	3																			830	729	664	5100	F	6	31.2	Y
203	52	3																			800	714	659	4700	F	6	28.2	Y
204	52	3																			891	790	721	6256	F	6	49.4	Y
205	52	3																			866	779	719	5326	F	6	37.5	Y
206	52	3	11/01/85	13.1	ND	ND	0.87	0.44	1.31		T	T	T	T	0.03	0.07	T	T	0.04	0.11	842	744	680	4650	M	6	-	-
207	52	3																			840	743	687	5174	M	6	-	-
208	52	3																			792	699	640	4500	F	6	24.6	N
209	52	3																			835	741	682	5264	F	6	32.1	Y
210	52	3																			870	766	705	5440	M	6	-	-
211	52	3	11/01/85	14.3	ND	ND	1.08	0.54	1.62	C	T	T	T	T	0.03	0.08	T	T	0.05	0.13	871	770	719	6230	M	6	-	-
212	52	3																			890	783	721	6484	F	6	41.0	Y
213	52	3																			836	741	682	5654	M	6	-	-
214	52	3																			828	731	669	4788	M	6	-	-
215	52	3																			823	732	673	5110	M	6	-	-
216	52	3	11/01/85	17.4	ND	ND	0.86	0.44	1.30		T	T	T	T	0.03	0.06	T	T	0.04	0.10	801	707	645	4690	M	6	-	-
217	52	3																			815	734	675	5650	F	6	34.6	Y
218	52	3																			844	739	674	5550	F	6	37.9	Y
219	52	3																			860	755	696	5320	F	6	35.6	Y
220	52	3																			769	683	621	3560	F	6	19.1	Y
221	52	3	11/06/85	17.4	ND	ND	1.21	0.60	1.81		T	0.010	T	T	0.04	0.06	T	0.06	0.06	0.12	820	737	676	4640	M	6	-	-
222	52	3																			870	771	696	6196	M	6	-	-
223	52	3																			870	760	694	5668	M	6	-	-
224	52	3																			888	780	704	5964	F	6	48.9	Y
225	52	3																			835	746	690	5806	M	6	-	-
226	52	3	11/01/85	17.1	ND	ND	0.90	0.45	1.35		T	0.010	T	T	T	0.07	T	T	T	0.12	809	718	665	4544	M	6	-	-
227	52	3																			880	777	711	6400	M	6	-	-
228	52	3																			866	768	709	5488	M	6	-	-
229	52	3																			860	770	713	5724	M	6	-	-
230	52	3																			812	715	652	4752	M	6	-	-
231	52	3	11/08/85	14.8	ND	ND	1.10	0.55	1.65		T	0.010	T	T	0.05	0.08	T	T	0.11	0.13	850	759	681	5002	M	6	-	-
232	52	3																			850	763	690	5266	F	6	74.4	Y
233	52	3																			885	780	710	5596	M	6	-	-
234	52	3																			846	744	681	6368	M	6	-	-
235	52	3																			802	717	657	4696	F	6	31.9	Y
236	52	3	11/12/85	14.0	ND	ND	0.94	0.47	1.41		T	T	T	T	0.03	0.06	T	T	0.06	0.11	868	763	697	5946	F	6	46.3	Y
237	52	3																			800	699	642	4464	M	6	-	-
238	52	3																			849	752	681	4594	F	6	36.7	Y
239	52	3																			845	742	676	5310	M	6	-	-
240	52	3																			892	790	717	6396	F	6	33.0	Y
241	52	3	11/12/85	9.5	ND	ND	0.66	0.33	0.99		T	T	T	T	T	0.05	T	T	0.04	0.08	760	696	633	4004	M	6	-	-
242	52	3																			832	730	674	4412	F	6	26.7	Y
243	52	3																			817	719	661	4792	M	6	-	-
244	52	3																			813	712	651	4700	F	6	36.7	Y
245	52	3																			789	705	636	4128	M	6	-	-
246	52	3	11/12/85	10.9	ND	ND	0.75	0.38	1.13		T	T	T	T	0.03	0.05	T	T	0.04	0.09	851	760	705	4756	F	6	35.4	N
247	52	3																			820	730	665	5002	F	6	14.6	N
248	52	3																			843	750	696	5244	M	6	-	-
249	52	3																			806	714	652	4772	F	6	28.3	Y
250	52	3																			823	718	659	4662	M	6	-	-

Appendix Table X. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
251	52	3	11/12/85	14.3	ND	ND	1.04	0.52	1.56		T	T	T	T	0.03	0.08	T	T	0.06	0.12	835	730	675	4670	F	6	29.0	N
252	52	3																			868	765	701	5400	M	6	-	-
253	52	3																			865	768	701	5620	M	6	-	-
254	52	3																			874	772	707	6496	M	6	-	-
255	52	3																			866	768	704	5366	F	6	36.9	N
256	52	3	11/06/85	14.2	ND	ND	0.52	T	0.72		T	0.010	T	T	T	0.03	T	T	0.04	0.06	807	710	650	4510	F	6	22.6	N
257	52	3																			825	728	653	4070	F	6	24.8	N
258	52	3																			875	782	724	5936	F	6	43.5	N
259	52	3																			810	710	654	4736	M	6	-	-
260	52	3																			826	728	669	4914	F	6	31.7	N
261	52	3	11/06/85	13.6	ND	ND	0.61	0.30	0.91		T	T	T	T	0.03	0.04	T	T	T	0.07	843	741	681	4474	M	6	-	-
262	52	3																			832	729	673	4966	M	6	-	-
263	52	3																			829	729	670	4806	M	6	-	-
264	52	3																			788	690	650	4684	M	6	-	-
265	52	3																			808	717	666	4444	F	6	32.1	N
266	54	3	11/06/85	7.5	6.78	ND	13.56	ND	20.34	C	T	T	T	0.06	0.04	T	T	T	0.05	0.61	802	705	653	4598	M	6	-	-
267	54	3																			845	739	681	4794	F	6	30.9	N
268	54	3																			825	730	669	4240	M	6	-	-
269	54	3																			680	604	551	2706	F	6	11.6	N
270	54	3																			810	711	652	3926	F	6	26.5	N
271	54	3	11/07/85	4.2	3.13	ND	6.27	ND	9.40	C	T	T	T	T	0.03	T	T	0.05	0.05	0.22	680	610	554	2872	F	6	12.3	N
272	54	3																			820	722	663	4360	F	6	37.3	N
273	54	3																			790	696	639	3704	F	6	23.8	N
274	54	3																			753	671	616	3456	M	6	-	-
275	54	3																			919	810	739	6210	M	6	-	-
276	54	3	11/07/85	8.7	7.15	ND	14.31	ND	21.46	C	T	T	T	0.05	0.08	T	0.05	0.10	0.11	0.46	740	652	598	3002	M	6	-	-
277	54	3																			726	640	582	3242	F	6	17.6	N
278	54	3																			825	731	670	4642	M	6	-	-
279	54	3																			767	680	614	3650	M	6	-	-
280	54	3																			759	672	614	3348	F	6	18.7	N
281	54	3	11/07/85	6.4	1.55	ND	3.10	ND	4.63	C	T	T	T	T	0.04	0.04	T	0.06	0.06	0.10	746	659	600	3234	F	6	16.5	N
282	54	3																			661	582	520	2522	M	6	-	-
283	54	3																			656	581	529	2320	M	6	-	-
284	54	3																			695	614	551	2520	F	6	22.2	N
285	54	3																			674	590	532	2424	F	6	14.3	N
286	54	3	10/28/85	3.5	1.37	ND	2.62	ND	3.99	C	T	T	ND	T	T	T	T	T	T	0.10	630	552	504	2162	F	6	11.3	N
287	54	3																			585	517	470	1512	M	6	-	-
288	54	3																			643	566	511	2040	F	6	11.9	N
289	54	3																			566	501	456	1576	M	6	-	-
290	54	3																			645	574	521	2290	M	6	-	-
291	54	3	11/14/85	6.3	13.74	ND	26.90	ND	40.64	C	T	T	ND	0.03	0.06	0.04	T	T	0.10	0.05	810	721	662	4474	F	6	28.6	N
292	54	3																			689	613	562	2986	M	6	-	-
293	54	3																			739	650	596	3724	F	6	15.5	N
294	54	3																			630	562	515	1954	M	6	-	-
295	54	3																			830	740	681	5086	F	6	32.4	N
296	54	3	10/28/85	5.5	3.79	ND	7.25	ND	11.04	C	T	T	ND	T	0.04	T	T	T	0.07	0.22	721	642	586	3030	M	6	-	-
297	54	3																			853	755	690	5620	F	6	41.9	N
298	54	3																			599	526	480	1094	U	0	-	-
299	54	3																			892	788	720	5956	F	6	44.0	N
300	54	3																			600	540	490	1896	F	6	9.4	N

Appendix Table X. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
301	54	3	10/29/85	6.4	6.74	ND	13.48	ND	20.22	C	T	T	ND	T	0.05	T	T	T	0.09	0.61	822	730	672	4282	F	6	32.1	N
302	54	3																			625	559	505	2296	M	6	-	-
303	54	3																			600	535	491	1750	F	6	8.8	N
304	54	3																			865	770	710	5140	F	6	39.5	N
305	54	3																			805	714	656	4120	M	6	-	-
306	54	3	10/29/85	2.6	4.12	ND	8.25	ND	12.37	C	T	ND	ND	T	0.03	T	T	T	0.04	0.38	741	655	602	2916	F	6	19.0	N
307	54	3																			844	740	685	4716	M	6	-	-
308	54	3																			802	704	650	3834	M	6	-	-
309	54	3																			825	721	656	4938	M	6	-	-
310	54	3																			590	520	485	1732	M	6	-	-
311	54	3	11/14/85	8.0	11.05	ND	22.11	ND	33.16	C	T	T	ND	0.03	0.07	0.09	T	T	0.12	0.04	699	613	562	2866	F	6	13.1	N
312	54	3																			850	760	710	5000	F	6	31.7	N
313	54	3																			790	699	636	4340	M	6	-	-
314	54	3																			682	601	550	2906	F	6	12.9	N
315	54	3																			646	570	525	2110	F	6	10.8	N
316	54	3	10/29/85	4.0	2.75	ND	5.51	ND	8.26	C	T	T	ND	T	0.03	T	T	T	0.04	0.26	599	530	483	1676	M	6	-	-
317	54	3																			816	729	669	5050	F	6	32.3	N
318	54	3																			840	740	682	4530	F	6	39.2	N
319	54	3																			615	540	500	1982	M	6	-	-
320	54	3																			570	507	460	1542	F	6	8.5	N
321	54	3	10/31/85	5.3	2.94	ND	5.90	ND	8.84	C	T	T	ND	T	T	T	T	T	0.04	0.30	621	515	501	1942	M	6	-	-
322	54	3																			581	515	471	1586	M	6	-	-
323	54	3																			800	710	650	4582	F	6	28.9	N
324	54	3																			640	570	523	2300	M	6	-	-
325	54	3																			660	590	542	2518	F	6	11.9	N
326	54	3	10/29/85	5.6	3.99	ND	7.99	ND	11.98	C	T	T	ND	T	T	T	T	T	0.04	0.33	839	742	682	4610	F	6	23.3	N
327	54	3																			824	731	675	4332	F	6	23.8	N
328	54	3																			831	740	680	5126	M	6	-	-
329	54	3																			596	531	486	1750	M	6	-	-
330	54	3																			650	578	525	2268	M	6	-	-
331	54	3	10/29/85	6.1	5.62	ND	11.23	ND	16.85	C	T	T	ND	T	0.05	T	T	T	0.09	0.56	828	735	675	4768	M	6	-	-
332	54	3																			836	740	682	4592	M	6	-	-
333	54	3																			880	791	730	4636	M	6	-	-
334	54	3																			710	628	574	3082	M	6	-	-
335	54	3																			796	709	643	3008	F	6	25.1	N
336	54	3	10/29/85	6.0	3.44	ND	6.88	ND	10.32	C	T	T	ND	T	T	T	T	T	0.04	0.32	837	748	689	5104	F	6	26.3	N
337	54	3																			575	502	452	1512	U	0	-	-
338	54	3																			620	550	510	2210	M	6	-	-
339	54	3																			830	736	678	4440	F	6	31.5	N
340	54	3																			730	650	598	3326	F	6	21.0	N
341	54	3	10/29/85	7.5	3.86	ND	7.73	ND	11.59	C	T	T	ND	T	0.04	T	T	T	0.07	0.39	718	638	584	2816	F	6	16.8	N
342	54	3																			834	738	680	3654	M	6	-	-
343	54	3																			702	628	574	3278	F	6	15.4	N
344	54	3																			717	638	585	2984	F	6	11.1	N
345	54	3																			756	670	611	3572	F	6	20.1	N
346	56	3	11/19/85	7.0	ND	ND	0.76	0.38	1.14		T	T	T	T	T	0.05	T	T	T	0.09	909	810	735	6336	F	6	-	N
347	56	3																			876	768	700	5650	M	6	-	-
348	56	3																			762	687	632	3540	M	6	-	-
349	56	3																			793	716	662	4104	M	6	-	-
350	56	3																			881	775	710	5120	M	6	-	-

Appendix Table X. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
351	56	3	11/19/85	7.0	ND	ND	0.62	0.31	0.93		T	T	T	T	T	0.04	T	T	T	0.07	764	684	631	3430	M	6	-	-
352	56	3																			884	790	725	5004	F	6	-	N
353	56	3																			714	629	575	2970	F	6	-	N
354	56	3																			746	671	617	3136	M	6	-	-
355	56	3																			665	598	551	2506	F	6	-	N

APPENDIX TABLE XI.

SITE 3 (Maryland/Virginia, September-October 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
1	61	1	11/22/85	3.4	ND	ND	T	T	0.20		ND	T	ND	T	T	T	ND	ND	T	T	310	284	252	324	U	1	-	-
2	61	1																			276	247	219	218	U	1	-	-
3	61	1																			290	262	232	250	U	1	-	-
4	61	1																			299	268	236	256	U	1	-	-
5	61	1																			315	281	252	316	U	1	-	-
6	064	1	12/04/85	3.2	ND	ND	T	T	0.20		T	T	ND	T	T	T	ND	ND	T	T	314	279	249	318	U	1	-	-
7	064	1																			328	290	260	430	U	1	-	-
8	064	1																			326	294	263	390	U	1	-	-
9	064	1																			326	295	261	384	U	1	-	-
10	064	1																			323	285	257	342	U	1	-	-
11	065	1	12/04/85	4.7	ND	ND	T	T	0.20		T	T	ND	T	T	T	ND	ND	T	T	281	250	224	250	U	1	-	-
12	065	1																			260	230	206	198	U	1	-	-
13	065	1																			294	260	232	200	U	1	-	-
14	065	1																			256	230	204	192	U	1	-	-
15	065	1																			250	220	202	188	U	1	-	-
16	065	1	12/04/85	3.8	ND	ND	T	T	0.20		ND	ND	ND	T	T	ND	T	ND	T	T	262	232	216	224	U	1	-	-
17	065	1																			262	238	212	212	U	1	-	-
18	065	1																			244	216	192	152	U	1	-	-
19	065	1																			250	225	201	158	U	1	-	-
20	065	1																			238	215	191	156	U	1	-	-
21	065	1	12/04/85	3.8	ND	ND	T	T	0.20		ND	ND	ND	ND	T	T	ND	ND	T	T	250	223	197	170	U	1	-	-
22	065	1																			253	224	200	166	U	1	-	-
23	065	1																			230	210	184	144	U	1	-	-
24	065	1																			232	208	183	132	U	1	-	-
25	065	1																			248	221	193	174	U	1	-	-
26	065	1	12/04/85	3.9	ND	ND	T	T	0.20		T	ND	ND	T	T	ND	T	T	T	T	228	205	181	134	U	1	-	-
27	065	1																			232	205	186	132	U	1	-	-
28	065	1																			234	209	183	142	U	1	-	-
29	065	1																			227	201	177	138	U	1	-	-
30	065	1																			224	204	177	128	U	1	-	-
31	61	2	11/22/85	4.2	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	ND	T	T	365	332	304	518	U	1	-	-
32	61	2																			379	342	305	590	U	1	-	-
33	61	2																			375	345	309	586	U	1	-	-
34	61	2																			478	432	390	1192	M	6	-	-
35	61	2																			384	343	308	688	U	1	-	-
36	61	2	11/22/85	5.6	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	ND	T	T	476	429	382	1286	F	6	-	M
37	61	2																			366	330	292	488	U	1	-	-
38	61	2																			360	326	291	460	U	1	-	-
39	61	2																			369	334	295	560	U	1	-	-
40	61	2																			386	342	308	682	U	1	-	-
41	61	2	12/04/85	5.0	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	399	355	317	620	U	1	-	-
42	61	2																			380	339	307	590	U	1	-	-
43	61	2																			373	338	301	600	U	1	-	-
44	61	2																			354	322	285	492	U	1	-	-
45	61	2																			362	321	291	492	U	1	-	-
46	61	2	12/04/85	6.1	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	T	480	434	392	1116	U	1	-	-
47	61	2																			497	441	403	1322	U	1	-	-
48	61	2																			385	353	312	609	U	1	-	-
49	61	2																			464	423	377	1066	F	6	-	M
50	61	2																			375	335	295	534	U	1	-	-

Appendix Table XI. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	61	2	11/22/85	5.2	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	ND	T	T	417	375	331	686	U	1	-	-
52	61	2																			499	442	395	1438	F	6	-	N
53	61	2																			371	333	295	588	U	1	-	-
54	61	2																			362	324	290	492	U	1	-	-
55	61	2																			366	328	295	530	F	1	-	N
56	61	2	11/22/85	4.8	ND	ND	T	T	0.20		T	T	ND	T	T	T	ND	ND	T	T	416	371	333	628	M	6	-	-
57	61	2																			405	362	327	690	U	1	-	-
58	61	2																			360	328	292	520	U	1	-	-
59	61	2																			432	387	345	872	F	6	-	N
60	61	2																			332	302	262	440	U	1	-	-

APPENDIX TABLE XII.

SITE 1 (New England, October 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
1	073	2	01/13/86	8.0	ND	ND	0.67	0.33	1.00		T	T	T	T	T	0.03	T	T	T	0.07	559	496	449	1592	M	6	-	-
2	073	2																			458	440	401	1180	M	6	-	-
3	073	2																			556	493	447	1620	M	6	-	-
4	073	2																			506	441	404	1264	F	6	4.0	N
5	073	2																			540	479	431	1424	M	6	-	-
6	073	2	01/13/86	5.0	ND	ND	0.50	T	0.70		T	T	ND	T	T	T	T	T	T	0.06	555	498	444	1478	F	6	4.1	N
7	073	2																			515	455	413	1264	M	6	-	-
8	073	2																			552	493	442	1598	M	6	-	-
9	073	2																			555	485	438	1632	F	6	3.0	N
10	073	2																			490	436	396	1082	M	6	-	-
11	073	2	01/10/86	5.6	ND	ND	0.40	T	0.60		T	T	ND	T	T	T	T	T	T	0.04	561	491	446	1508	M	6	-	-
12	073	2																			545	482	437	1536	F	6	5.4	N
13	073	2																			565	499	452	1886	F	6	5.6	N
14	073	2																			555	491	443	1586	M	6	-	-
15	073	2																			550	485	441	1230	F	6	4.9	N
16	073	2	01/10/86	11.1	ND	ND	0.92	0.46	1.38		T	T	T	T	0.04	0.05	T	T	0.06	0.11	566	500	452	1684	F	6	-	N
17	073	2																			540	481	435	1564	M	6	-	-
18	073	2																			495	442	401	1256	M	6	-	-
19	073	2																			555	494	449	1654	M	6	-	-
20	073	2																			558	496	451	1652	F	6	5.9	N
21	066	3	12/09/85	4.4	ND	ND	0.56	T	0.76		T	T	T	T	T	0.03	T	T	T	0.06	703	615	564	2740	M	6	-	-
22	066	3																			737	650	590	3180	F	6	11.0	N
23	066	3																			695	615	567	2914	F	6	8.9	N
24	066	3																			849	750	685	4612	M	6	-	-
25	066	3																			763	673	627	3422	M	6	-	-
26	066	3	12/12/85	10.8	ND	ND	1.08	0.54	1.62		T	T	T	T	T	0.07	T	T	T	0.11	807	709	656	5200	M	6	-	-
27	066	3																			740	648	596	3514	M	6	-	-
28	066	3																			856	754	693	5542	M	6	-	-
29	066	3																			958	847	790	6890	F	6	45.4	Y
30	066	3																			840	749	695	4982	M	6	-	-
31	066	3	12/12/85	23.7	ND	ND	0.47	T	0.67		T	0.010	ND	T	0.04	0.04	T	0.05	0.06	0.08	696	616	570	3094	M	6	-	-
32	066	3																			824	725	672	4918	F	6	36.0	Y
33	066	3																			870	769	710	6400	F	6	52.5	Y
34	066	3																			785	690	640	3986	M	6	-	-
35	066	3																			856	740	690	5250	F	6	34.7	N
36	066	3	12/12/85	12.7	ND	ND	0.56	T	0.76		T	T	T	T	T	0.04	T	T	0.04	0.07	717	636	582	2994	F	6	15.2	N
37	066	3																			725	640	590	3584	M	6	-	-
38	066	3																			833	735	680	5048	M	6	-	-
39	066	3																			664	590	530	2616	F	6	11.0	N
40	066	3																			749	659	605	3226	M	6	-	-
41	066	3	12/10/85	10.1	ND	ND	0.73	0.36	1.09		T	T	T	T	0.05	0.04	T	T	0.06	0.08	695	610	560	2772	M	6	-	-
42	066	3																			715	638	583	2976	M	6	-	-
43	066	3																			686	598	546	2380	M	6	-	-
44	066	3																			779	693	638	4726	M	6	-	-
45	066	3																			877	780	718	6406	F	6	38.0	Y
46	066	3	12/10/85	8.4	ND	ND	0.49	T	0.69		T	T	T	T	0.03	0.03	T	T	0.04	0.05	620	561	512	2152	M	6	-	-
47	066	3																			724	644	598	3330	M	6	-	-
48	066	3																			780	621	566	2582	F	6	11.2	Y
49	066	3																			820	739	671	4598	F	6	29.2	N
50	066	3																			806	720	659	4462	F	6	29.1	Y

Appendix Table XII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
51	066	3	12/09/85	13.3	ND	ND	0.71	0.36	1.07		T	T	T	T	0.03	0.04	T	T	0.05	0.07	827	735	674	5392	F	6	31.0	Y
52	066	3																			698	629	573	2070	M	6	-	-
53	066	3																			738	654	598	3154	F	6	11.5	Y
54	066	3																			696	622	570	2060	M	6	-	-
55	066	3																			835	732	673	4774	M	6	-	-
56	066	3	12/10/85	20.6	ND	ND	1.09	0.55	1.64		T	0.020	T	T	0.05	0.05	T	T	0.07	0.11	869	770	709	5714	F	6	39.1	Y
57	066	3																			830	730	632	6164	J	6	-	-
58	066	3																			816	720	662	4732	F	6	27.1	Y
59	066	3																			798	712	656	4020	F	6	22.2	Y
60	066	3																			810	728	672	5124	F	6	28.0	Y
61	066	3	12/10/85	16.4	ND	ND	0.61	0.31	0.92		T	0.010	T	T	0.04	0.04	T	T	0.06	0.07	801	711	655	4348	M	6	-	-
62	066	3																			758	680	620	3788	F	6	16.3	Y
63	066	3																			894	794	735	7030	F	6	55.0	Y
64	066	3																			849	760	699	4882	F	6	27.4	Y
65	066	3																			706	630	585	2892	M	6	-	-
66	066	3	12/04/85	12.4	ND	ND	0.60	0.30	0.90		T	T	ND	T	0.03	T	T	T	0.04	0.04	813	722	665	4198	F	6	32.9	Y
67	066	3																			828	738	679	5410	M	6	-	-
68	066	3																			857	765	702	5270	F	6	39.7	Y
69	066	3																			684	600	555	2758	F	6	9.5	N
70	066	3																			809	721	666	4640	F	6	21.2	Y
71	066	3	12/04/85	10.7	ND	ND	0.86	0.43	1.29		T	T	ND	T	T	T	T	T	T	0.06	844	750	692	4886	M	6	-	-
72	066	3																			690	610	558	2632	F	6	11.4	Y
73	066	3																			926	827	759	6684	F	6	54.9	Y
74	066	3																			807	718	656	4798	F	6	29.7	Y
75	066	3																			729	648	590	3508	F	6	16.6	Y
76	066	3	12/12/85	14.4	ND	ND	0.68	0.34	1.02		T	T	T	T	0.03	0.05	T	T	0.05	0.09	706	630	578	2704	F	6	12.5	N
77	066	3																			862	764	702	5650	M	6	-	-
78	066	3																			855	758	698	4970	F	6	34.0	N
79	066	3																			820	728	668	4926	M	6	-	-
80	066	3																			852	752	690	5740	M	6	-	-
81	066	3	12/12/85	14.1	ND	ND	0.73	0.37	1.10		T	T	T	T	T	0.05	T	T	T	0.08	705	624	561	3104	F	6	11.9	Y
82	066	3																			670	596	546	2574	F	6	11.8	N
83	066	3																			698	621	569	2812	F	6	10.4	Y
84	066	3																			686	615	562	2952	F	6	12.9	Y
85	066	3																			715	641	588	3808	F	6	17.0	Y
86	066	3	12/06/85	8.6	ND	ND	0.83	0.42	1.25		T	T	T	T	T	0.03	T	0.05	0.04	0.07	852	755	691	5614	F	6	51.2	Y
87	066	3																			698	625	569	2824	M	6	-	-
88	066	3																			738	652	596	3108	M	6	-	-
89	066	3																			740	654	595	3000	M	6	-	-
90	066	3																			710	631	580	2778	M	6	-	-
91	066	3	12/06/85	21.0	ND	ND	0.85	0.43	1.28		T	0.020	T	0.03	0.03	0.04	T	0.07	0.09	0.12	924	823	759	7280	F	6	43.6	Y
92	066	3																			907	805	745	6726	F	6	37.9	Y
93	066	3																			715	636	581	3422	F	6	10.5	N
94	066	3																			888	797	735	6164	F	6	36.4	Y
95	066	3																			840	736	681	5698	M	6	-	-
96	066	3	12/04/85	19.0	ND	ND	0.79	0.39	1.18		T	0.020	T	T	0.03	0.05	T	T	0.05	0.09	764	670	617	3630	F	6	19.5	N
97	066	3																			860	755	698	5232	M	6	-	-
98	066	3																			781	685	620	3964	M	6	-	-
99	066	3																			707	625	568	3072	M	6	-	-
100	066	3																			872	770	710	6154	F	6	37.7	N

Appendix Table XII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	066	3	12/04/85	7.3	ND	ND	0.75	0.37	1.12		T	T	T	T	T	0.03	T	T	T	0.06	669	590	539	2472	M	6	-	-
102	066	3																			689	608	555	2630	M	6	-	-
103	066	3																			712	620	581	3462	M	6	-	-
104	066	3																			697	610	564	2674	M	6	-	-
105	066	3																			670	586	532	2456	F	6	8.4	N
106	066	3	12/18/85	19.2	ND	ND	1.62	0.82	2.44	C	T	0.010	T	0.03	0.07	0.10	T	0.09	0.10	0.17	769	675	620	3362	M	6	-	-
107	066	3																			852	750	692	6160	M	6	-	-
108	066	3																			860	758	697	5932	M	6	-	-
109	066	3																			737	643	594	3174	M	6	-	-
110	066	3																			750	664	610	3696	M	6	-	-
111	066	3	12/10/85	12.3	ND	ND	0.63	0.31	0.94		T	T	T	T	0.03	0.04	T	T	0.05	0.08	734	642	595	2974	F	6	11.8	Y
112	066	3																			936	821	760	6952	F	6	54.4	Y
113	066	3																			702	617	563	2742	M	6	-	-
114	066	3																			671	590	542	2560	M	6	-	-
115	066	3																			680	600	550	2846	M	6	-	-
116	066	3	12/04/85	11.6	ND	ND	0.91	0.45	1.36		T	T	T	T	T	0.06	T	T	T	0.08	684	600	548	2678	M	6	-	-
117	066	3																			725	641	598	3140	M	6	-	-
118	066	3																			730	650	600	3188	M	6	-	-
119	066	3																			782	691	638	4812	M	6	-	-
120	066	3																			810	708	653	4414	M	6	-	-
121	066	3	12/04/85	14.6	ND	ND	0.80	0.40	1.20		T	0.010	T	T	0.04	0.05	T	T	0.05	0.09	705	616	569	3072	M	6	-	-
122	066	3																			690	607	552	2622	F	6	13.6	N
123	066	3																			676	595	550	2582	M	6	-	-
124	066	3																			685	600	555	2798	M	6	-	-
125	066	3																			841	740	690	4972	F	6	31.9	N
126	066	3	12/23/85	7.2	ND	ND	0.49	T	0.69		T	T	T	T	T	0.03	T	T	T	0.05	706	620	566	2796	M	6	-	-
127	066	3																			729	640	592	3298	F	6	21.9	N
128	066	3																			691	610	563	2438	F	6	8.9	N
129	066	3																			710	629	577	2600	M	6	-	-
130	066	3																			720	630	582	2902	M	6	-	-
131	066	3	12/23/85	20.8	ND	ND	1.16	0.58	1.74		T	T	T	T	T	0.09	T	T	T	0.13	720	634	585	2870	F	6	11.0	Y
132	066	3																			870	766	710	5934	F	6	36.1	Y
133	066	3																			825	726	670	5196	F	6	27.7	N
134	066	3																			817	720	663	5540	M	6	-	-
135	066	3																			690	610	560	2686	M	6	-	-
136	066	3	12/09/85	14.9	ND	ND	0.67	0.33	1.00		T	T	T	T	T	0.04	T	T	0.04	0.08	746	660	609	3838	F	6	17.3	N
137	066	3																			842	741	683	5120	F	6	30.2	Y
138	066	3																			693	610	556	2608	F	6	10.9	Y
139	066	3																			688	605	551	2422	M	6	-	-
140	066	3																			775	680	626	3834	M	6	-	-
141	066	3	12/09/85	7.8	ND	ND	0.56	T	0.76		T	T	T	T	T	0.20	T	T	0.04	0.06	815	720	649	4702	M	6	-	-
142	066	3																			800	709	636	5282	F	6	21.4	Y
143	066	3																			784	689	616	3550	M	6	-	-
144	066	3																			690	609	551	2582	M	6	-	-
145	066	3																			700	621	565	2676	M	6	-	-
146	066	3	12/23/85	21.3	ND	ND	0.72	0.36	1.08		T	T	T	T	T	0.05	T	T	0.04	0.09	708	625	560	3340	F	6	13.3	Y
147	066	3																			809	719	655	4630	M	6	-	-
148	066	3																			903	794	726	6250	M	6	-	-
149	066	3																			876	786	721	5498	F	6	31.5	Y
150	066	3																			856	754	684	5698	F	6	35.1	Y

Appendix Table XII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Contamination	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
151	066	3	12/23/85	15.0	ND	ND	0.67	0.33	1.00		T	0.010	T	T	0.03	0.05	T	T	0.06	0.07	755	662	603	3102	M	6	-	-
152	066	3																			723	636	585	3418	F	6	9.7	Y
153	066	3																			818	719	658	4404	F	6	28.0	Y
154	066	3																			890	784	720	6812	F	6	37.4	Y
155	066	3																			820	728	666	3752	F	6	25.0	Y
156	066	3	12/06/85	22.9	ND	ND	0.51	T	0.71		T	0.020	ND	0.03	0.03	T	T	0.06	0.10	0.07	759	668	611	3968	F	6	20.3	Y
157	066	3																			907	800	739	6092	F	6	53.2	Y
158	066	3																			850	752	690	5072	M	6	-	-
159	066	3																			864	760	699	6500	F	6	35.4	Y
160	066	3																			873	766	712	5876	M	6	-	-
161	066	3	12/06/85	12.0	ND	ND	0.55	T	0.75		T	T	ND	T	T	T	T	T	T	0.05	882	710	652	3722	M	6	-	-
162	066	3																			885	714	656	4100	F	6	18.3	Y
163	066	3																			874	767	701	6904	F	6	43.0	Y
164	066	3																			785	617	572	3246	F	6	13.9	Y
165	066	3																			683	599	542	2662	M	6	-	-
166	066	3	12/10/85	10.0	ND	ND	0.43	T	0.63		T	T	ND	T	0.03	0.03	T	T	0.04	0.05	704	620	565	2774	M	6	-	-
167	066	3																			750	662	605	3146	M	6	-	-
168	066	3																			730	646	591	3078	M	6	-	-
169	066	3																			741	652	593	3272	F	6	15.7	Y
170	066	3																			785	620	560	2900	F	6	12.4	Y
171	066	3	12/09/85	11.7	ND	ND	0.99	0.50	1.49		T	T	T	0.03	0.03	0.03	T	T	0.05	0.09	779	691	631	4412	F	6	24.3	Y
172	066	3																			719	634	575	3044	M	6	-	-
173	066	3																			759	665	600	3200	M	6	-	-
174	066	3																			838	737	674	5428	F	6	33.0	Y
175	066	3																			746	660	598	3424	F	6	13.1	N
176	066	3	12/04/85	15.4	ND	ND	1.02	0.51	1.53		T	T	T	T	0.04	0.08	T	T	0.05	0.11	895	700	725	6498	F	6	39.2	Y
177	066	3																			848	754	685	5320	F	6	30.2	Y
178	066	3																			720	633	569	2746	F	6	10.5	Y
179	066	3																			859	764	702	5754	F	6	31.9	Y
180	066	3																			754	663	610	3488	M	6	-	-
181	066	3	12/06/85	8.6	ND	ND	0.44	T	0.64		T	T	T	T	T	T	T	T	T	0.04	779	692	638	3674	F	6	16.0	Y
182	066	3																			690	611	552	2676	M	6	-	-
183	066	3																			662	583	521	2478	M	6	-	-
184	066	3																			612	542	495	1828	M	6	-	-
185	066	3																			655	574	521	2140	M	6	-	-
186	066	3	12/13/85	9.0	ND	ND	0.42	T	0.62		T	T	T	T	0.03	0.03	T	T	T	0.05	586	516	469	1874	F	6	5.5	Y
187	066	3																			673	594	540	2404	M	6	-	-
188	066	3																			681	604	547	2678	M	6	-	-
189	066	3																			782	690	625	4522	F	6	17.1	Y
190	066	3																			595	524	474	1706	F	6	5.7	N
191	066	3	12/13/85	3.9	ND	ND	T	T	0.20		T	T	T	T	T	T	T	T	T	0.03	606	533	480	2024	F	6	7.0	N
192	066	3																			674	598	541	2752	M	6	-	-
193	066	3																			589	521	470	1694	F	6	5.2	N
194	066	3																			625	554	505	2030	F	6	4.0	N
195	066	3																			595	525	476	1046	U	1	-	-
196	066	3	12/12/85	4.8	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	T	T	0.04	587	511	461	1484	F	6	4.3	N
197	066	3																			592	524	475	1744	F	6	5.7	N
198	066	3																			569	502	451	1560	U	1	-	-
199	066	3																			578	510	465	1636	M	6	-	-
200	066	3																			600	528	479	1978	F	6	6.9	N

Appendix Table XII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	a BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
201	066	3	12/12/85	4.4	ND	ND	0.35	T	0.55		T	T	ND	T	T	T	T	T	T	0.04	703	616	561	2550	F	6	11.0	Y
202	066	3																			601	533	485	1774	M	6	-	-
203	066	3																			595	524	480	1630	M	6	-	-
204	066	3																			605	537	485	1854	M	6	-	-
205	066	3																			584	512	462	1604	M	6	-	-
206	066	3	12/12/85	6.1	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	T	T	0.04	574	505	450	1588	F	6	5.3	Y
207	066	3																			651	575	517	1950	M	6	-	-
208	066	3																			595	526	476	1896	F	6	6.6	Y
209	066	3																			580	512	460	1610	M	6	-	-
210	066	3																			601	530	481	1690	F	6	5.7	Y
211	066	3	12/09/85	5.2	ND	ND	0.56	T	0.76		T	T	T	T	T	T	T	T	T	0.06	580	514	466	1906	M	6	-	-
212	066	3																			588	515	470	1576	M	6	-	-
213	066	3																			610	538	493	1770	M	6	-	-
214	066	3																			585	511	470	1686	M	6	-	-
215	066	3																			565	501	454	1540	F	6	5.2	N
216	066	3	12/06/85	4.9	ND	ND	0.33	T	0.53		T	T	ND	T	T	T	ND	ND	T	0.03	591	523	476	1856	M	6	-	-
217	066	3																			600	531	482	1944	F	6	6.3	N
218	066	3																			579	509	461	1730	M	6	-	-
219	066	3																			585	518	470	1726	F	6	7.3	N
220	066	3																			594	525	481	1622	F	6	5.9	Y
221	066	3	12/05/85	5.6	ND	ND	T	T	0.20		ND	T	ND	T	T	T	T	T	T	0.03	579	500	463	1604	M	6	-	-
222	066	3																			582	520	472	1650	M	6	-	-
223	066	3																			596	528	481	1902	M	6	-	-
224	066	3																			617	549	503	1920	F	6	7.6	N
225	066	3																			599	526	483	1790	M	6	-	-
226	066	3	12/06/85	5.2	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	ND	T	T	581	511	469	1778	M	6	-	-
227	066	3																			588	524	475	1778	F	6	6.7	N
228	066	3																			620	547	496	2162	M	6	-	-
229	066	3																			594	520	473	1898	F	6	7.3	N
230	066	3																			593	522	476	1734	M	6	-	-
231	066	3	12/13/85	18.5	ND	ND	0.69	0.34	1.03		T	0.020	T	T	0.04	0.06	T	T	0.07	0.10	579	510	462	1600	M	6	-	-
232	066	3																			665	587	533	2498	M	6	-	-
233	066	3																			750	659	602	3336	F	6	15.7	Y
234	066	3																			911	809	743	7094	M	6	-	-
235	066	3																			890	790	731	7016	F	6	46.2	Y
236	066	3	12/13/85	19.5	ND	ND	0.86	0.43	1.29		T	0.020	T	T	0.04	0.07	T	T	0.07	0.11	892	787	721	6460	M	6	-	-
237	066	3																			820	738	679	5004	F	6	30.9	Y
238	066	3																			842	742	681	4004	F	6	31.1	Y
239	066	3																			855	754	692	5834	M	6	-	-
240	066	3																			910	800	749	6070	F	6	49.5	Y
241	066	3	12/31/85	16.2	ND	ND	0.61	0.30	0.91		T	T	T	T	T	0.04	T	ND	T	0.07	715	633	577	3078	F	6	14.2	N
242	066	3																			860	755	703	4914	F	6	36.2	Y
243	066	3																			845	746	680	5408	M	6	-	-
244	066	3																			766	682	623	4210	F	6	21.8	Y
245	066	3																			820	722	663	5334	M	6	-	-
246	066	3	12/31/85	21.9	ND	ND	0.85	0.42	1.27		T	T	T	T	T	0.06	T	T	T	0.09	902	805	742	6034	F	6	46.3	Y
247	066	3																			810	710	652	5950	F	6	35.0	N
248	066	3																			822	729	671	4970	M	6	-	-
249	066	3																			910	808	737	6326	F	6	39.4	Y
250	066	3																			847	750	693	5662	M	6	-	-

Appendix Table XII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
251	068	3	12/16/85	15.3	ND	ND	0.69	0.35	1.04		T	T	T	T	0.03	0.05	T	T	0.05	0.07	767	685	627	4820	M	6	-	-
252	068	3																			845	743	600	6142	F	6	31.3	Y
253	068	3																			702	615	560	3324	M	6	-	-
254	068	3																			706	633	576	3320	M	6	-	-
255	068	3																			674	590	536	2770	F	6	8.5	N
256	068	3	12/16/85	14.6	ND	ND	0.64	0.32	0.96		T	0.010	T	T	0.03	0.05	T	T	0.05	0.07	846	753	695	6103	F	6	40.0	Y
257	068	3																			789	698	640	4968	M	6	-	-
258	068	3																			777	690	624	4364	F	6	16.1	N
259	068	3																			785	694	630	4072	M	6	-	-
260	068	3																			849	742	680	5040	F	6	27.9	Y
261	068	3	12/16/85	20.2	ND	ND	1.39	0.69	2.08		T	0.020	T	T	0.06	0.10	T	T	0.09	0.17	830	736	681	5285	F	6	24.8	Y
262	068	3																			884	780	722	7074	F	6	40.7	Y
263	068	3																			880	774	710	7502	M	6	-	-
264	068	3																			841	738	670	5264	M	6	-	-
265	068	3																			803	778	710	5500	M	6	-	-
266	068	3	12/16/85	15.8	ND	ND	1.01	0.51	1.52		T	0.010	T	T	0.04	0.07	T	T	0.06	0.10	838	734	671	5004	M	6	-	-
267	068	3																			792	697	640	4028	F	6	17.9	N
268	068	3																			821	728	665	5126	M	6	-	-
269	068	3																			730	640	589	3690	M	6	-	-
270	068	3																			707	621	571	3474	M	6	-	-
271	068	3	12/16/85	16.4	ND	ND	0.53	T	0.73		T	0.010	T	T	0.03	0.05	T	T	0.04	0.06	840	745	680	5500	F	6	35.1	Y
272	068	3																			810	714	654	4852	M	6	-	-
273	068	3																			815	727	663	5326	M	6	-	-
274	068	3																			695	612	554	2706	F	6	8.5	N
275	068	3																			798	705	641	4090	F	6	19.1	N
276	068	3	12/31/85	16.1	ND	ND	0.60	T	0.80		T	T	T	T	T	0.04	T	T	T	0.07	770	673	603	3732	M	6	-	-
277	068	3																			809	715	654	6110	M	6	-	-
278	068	3																			710	621	567	2912	M	6	-	-
279	068	3																			700	622	567	2954	M	6	-	-
280	068	3																			678	597	540	2690	M	6	-	-
281	068	3	12/31/85	16.6	ND	ND	0.91	0.45	1.36		T	T	T	T	T	0.06	T	T	T	0.08	672	597	539	2822	F	6	10.9	N
282	068	3																			652	574	525	2932	F	6	11.4	N
283	068	3																			810	711	650	4752	M	6	-	-
284	068	3																			789	699	644	4236	M	6	-	-
285	068	3																			675	595	541	2888	M	6	-	-
286	068	3	12/19/85	11.2	ND	ND	0.67	0.34	1.01		T	T	T	T	T	0.03	T	T	0.04	0.07	759	667	605	3726	F	6	15.8	Y
287	068	3																			825	736	675	6364	M	6	-	-
288	068	3																			664	583	531	2470	M	6	-	-
289	068	3																			753	663	610	4308	F	6	14.5	Y
290	068	3																			599	531	481	1876	F	6	5.8	Y
291	068	3	12/19/85	12.8	ND	ND	0.79	0.39	1.18		T	T	T	T	0.03	0.05	T	T	0.05	0.09	737	652	599	3702	F	6	17.6	Y
292	068	3																			821	731	673	5504	F	6	28.9	Y
293	068	3																			713	620	526	3294	M	6	-	-
294	068	3																			827	728	674	4688	M	6	-	-
295	068	3																			693	603	550	2890	M	6	-	-
296	068	3	12/23/85	12.3	ND	ND	0.93	0.46	1.39		T	T	T	T	T	0.06	T	T	0.04	0.11	727	638	582	2950	M	6	-	-
297	068	3																			729	648	592	3276	F	6	13.5	Y
298	068	3																			746	670	618	3622	F	6	17.0	Y
299	068	3																			736	653	600	3166	M	6	-	-
300	068	3																			910	811	750	7142	F	6	42.9	Y

Appendix Table XII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
301	068	3	12/23/85	15.4	ND	ND	1.11	0.56	1.67		T	T	T	T	T	0.09	T	T	0.05	0.14	744	661	609	4294	M	6	-	-
302	068	3																			906	800	750	6466	F	6	55.4	Y
303	068	3																			821	725	674	5000	M	6	-	-
304	068	3																			849	749	689	6524	M	6	-	-
305	068	3																			830	741	682	4672	M	6	-	-
306	068	3	12/19/85	15.0	ND	ND	0.91	0.45	1.36		T	0.010	T	T	0.05	0.06	T	T	0.08	0.13	895	795	741	6048	F	6	37.8	Y
307	068	3																			809	719	670	4830	F	6	28.1	Y
308	068	3																			720	649	603	3350	M	6	-	-
309	068	3																			911	818	755	6074	F	6	51.4	Y
310	068	3																			860	785	730	6316	F	6	52.3	Y
311	068	3	12/19/85	10.8	ND	ND	0.68	0.34	1.02		T	T	T	T	0.03	0.03	T	T	0.05	0.08	711	630	591	3074	F	6	10.2	Y
312	068	3																			872	775	716	5422	M	6	-	-
313	068	3																			679	605	561	2870	F	6	12.2	Y
314	068	3																			713	630	592	3556	F	6	13.9	Y
315	068	3																			684	600	553	3166	U	1	-	-
316	068	3	12/04/85	7.4	ND	ND	0.35	T	0.55		T	T	ND	T	T	T	T	T	0.04	0.03	681	604	561	2522	F	6	11.4	Y
317	068	3																			700	622	573	3190	F	6	19.2	Y
318	068	3																			711	626	570	2990	F	6	11.9	N
319	068	3																			864	770	703	5972	F	6	32.2	N
320	068	3																			690	610	560	2592	M	6	-	-
321	068	3	12/04/85	7.6	ND	ND	0.93	0.46	1.39		T	T	ND	T	0.03	T	T	T	0.04	0.06	695	610	560	2090	U	1	-	-
322	068	3																			680	617	569	2986	M	6	-	-
323	068	3																			734	655	590	3900	F	6	15.7	N
324	068	3																			813	722	665	4152	M	6	-	-
325	068	3																			812	715	655	4560	M	6	-	-
326	068	3	12/31/85	21.9	ND	ND	1.18	0.59	1.77		T	T	T	T	T	0.07	ND	ND	T	0.12	859	763	709	6150	M	6	-	-
327	068	3																			849	750	683	5696	M	6	-	-
328	068	3																			912	807	740	7340	F	6	40.7	N
329	068	3																			825	730	672	5660	F	6	21.2	N
330	068	3																			856	762	702	5074	F	6	32.5	N
331	068	3	12/31/85	12.0	ND	ND	0.39	T	0.59		T	T	T	T	T	0.03	ND	ND	T	0.04	773	683	624	4830	M	6	-	-
332	068	3																			765	600	629	3964	F	6	29.7	N
333	068	3																			700	615	564	2720	M	6	-	-
334	068	3																			582	515	463	1730	U	1	-	-
335	068	3																			732	649	590	3682	M	6	-	-
336	068	3	12/19/85	19.3	ND	ND	0.81	0.41	1.22		T	0.010	T	T	0.05	0.06	T	T	0.07	0.10	879	780	711	5492	M	6	-	-
337	068	3																			815	721	661	4932	M	6	-	-
338	068	3																			780	685	626	4164	M	6	-	-
339	068	3																			850	748	695	5842	F	6	37.2	N
340	068	3																			807	706	652	5114	M	6	-	-
341	068	3	12/19/85	8.2	ND	ND	0.51	T	0.71		T	T	T	T	0.03	0.03	T	T	0.04	0.06	699	620	571	3160	M	6	-	-
342	068	3																			705	620	569	2994	F	6	15.1	N
343	068	3																			730	646	592	3556	F	6	14.7	N
344	068	3																			770	681	624	4210	M	6	-	-
345	068	3																			725	641	584	3592	M	6	-	-

APPENDIX TABLE XIII.

SITE 2 (New York Bight, October-November 1985) listing, on an individual sample basis, of PCB and organohalogen pesticide levels and biological observations relative to five-fish composite samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Oxychlor Epoxide	p,p'-DDE	p,p'-TDE	p,p'-DDT	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
1	067	1	12/16/85	1.8	ND	ND	T	T	0.20		ND	ND	T	T	T	T	ND	ND	T	T	279	248	224	230	U	1	-	-
2	067	1																			310	273	241	300	U	1	-	-
3	067	1																			323	288	255	370	U	1	-	-
4	067	1																			342	300	267	316	U	1	-	-
5	067	1																			339	299	266	412	U	1	-	-
6	067	1	12/16/85	2.2	ND	ND	T	T	0.20		T	ND	T	T	T	T	ND	ND	T	0.03	280	246	220	220	U	1	-	-
7	067	1																			330	298	265	460	U	1	-	-
8	067	1																			328	291	260	394	U	1	-	-
9	067	1																			332	293	259	336	U	1	-	-
10	067	1																			330	294	263	352	U	1	-	-
11	067	1	12/13/85	2.3	ND	ND	T	T	0.20		T	ND	ND	T	T	T	T	ND	T	0.03	332	294	265	364	U	1	-	-
12	067	1																			300	272	244	298	U	1	-	-
13	067	1																			305	274	247	334	U	1	-	-
14	067	1																			297	260	235	250	U	1	-	-
15	067	1																			320	285	256	314	U	1	-	-
16	071	1	01/15/86	1.5	ND	ND	T	T	0.20		T	T	T	T	T	T	ND	ND	T	T	267	238	212	201	U	1	-	-
17	071	1																			252	223	199	152	U	1	-	-
18	071	1																			262	233	209	172	U	1	-	-
19	071	1																			264	234	209	189	U	1	-	-
20	071	1																			263	249	221	235	U	1	-	-
21	071	1	01/15/86	2.1	ND	ND	T	T	0.20		T	T	T	T	T	T	ND	ND	T	T	286	253	221	214	U	1	-	-
22	071	1																			295	262	231	249	U	1	-	-
23	071	1																			300	274	243	307	U	1	-	-
24	071	1																			260	230	206	165	U	1	-	-
25	071	1																			278	246	215	229	U	1	-	-
26	071	1	01/15/86	1.9	ND	ND	T	T	0.20		T	ND	T	T	T	T	ND	ND	T	T	281	249	224	193	U	1	-	-
27	071	1																			285	255	226	234	U	1	-	-
28	071	1																			280	248	224	212	U	1	-	-
29	071	1																			260	236	210	188	U	1	-	-
30	071	1																			291	260	232	256	U	1	-	-
31	067	2	12/18/85	7.0	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	ND	T	T	377	335	301	526	U	1	-	-
32	067	2																			385	339	303	556	F	1	-	M
33	067	2																			374	331	290	470	U	1	-	-
34	067	2																			395	348	314	652	U	1	-	-
35	067	2																			362	312	284	440	U	1	-	-
36	067	2	12/18/85	1.6	ND	ND	T	T	0.20		ND	ND	ND	ND	T	T	ND	ND	T	T	345	304	271	386	U	1	-	-
37	067	2																			353	310	279	456	U	1	-	-
38	067	2																			376	333	300	554	U	1	-	-
39	067	2																			410	361	320	642	M	1	-	-
40	067	2																			350	300	274	448	F	1	1.0	M
41	067	2	12/18/85	2.9	ND	ND	T	T	0.20		ND	ND	ND	T	T	T	ND	ND	T	T	362	319	286	474	M	1	-	-
42	067	2																			362	319	284	470	U	1	-	-
43	067	2																			370	328	291	470	U	1	-	-
44	067	2																			386	341	300	600	F	1	1.2	M
45	067	2																			365	320	289	540	F	1	1.0	M
46	067	2	12/18/85	5.1	ND	ND	T	T	0.20		ND	ND	ND	ND	T	T	ND	ND	T	T	394	345	311	630	M	1	-	-
47	067	2																			370	327	294	524	M	1	-	-
48	067	2																			375	329	290	512	U	3	-	-
49	067	2																			347	309	278	400	M	1	-	-
50	067	2																			390	345	312	530	M	1	-	-

Appendix Table XIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
51	067	2	12/18/85	5.4	ND	ND	T	T	0.20		ND	T	ND	T	T	T	T	ND	T	T	374	330	295	502	M	1	-	-
52	067	2																			380	336	300	532	F	1	0.8	N
53	067	2																			340	300	276	420	F	1	0.8	N
54	067	2																			380	334	301	590	M	1	-	-
55	067	2																			389	341	306	554	U	1	-	-
56	067	2	12/18/85	7.3	ND	ND	T	T	0.20		T	T	ND	T	T	T	T	ND	T	T	397	360	325	642	M	1	-	-
57	067	2																			383	337	300	550	U	1	-	-
58	067	2																			380	339	302	656	U	1	-	-
59	067	2																			420	368	330	740	U	1	-	-
60	067	2																			420	370	326	716	U	1	-	-
61	066	3	12/23/85	10.6	ND	ND	0.55	T	0.75		T	T	T	T	0.03	0.03	T	T	0.05	0.09	824	731	676	5200	F	6	26.0	Y
62	066	3																			903	802	743	6470	F	6	30.0	Y
63	067	3																			894	791	723	5092	M	6	-	-
64	067	3																			853	755	675	5740	F	6	26.4	Y
65	067	3																			818	734	668	4496	F	6	22.6	Y
66	067	3	12/23/85	10.0	ND	ND	0.51	T	0.71		T	T	T	T	0.03	0.04	T	T	0.06	0.09	896	796	722	6112	F	6	37.0	Y
67	067	3																			870	765	697	5326	F	6	32.7	Y
68	067	3																			785	698	648	3668	M	6	-	-
69	067	3																			844	745	686	5840	M	6	-	-
70	067	3																			881	783	711	5164	M	6	-	-
71	067	3	12/13/85	6.3	ND	ND	0.40	T	0.60		T	T	ND	T	0.03	0.04	T	T	0.06	0.10	893	789	724	7616	F	6	40.0	Y
72	067	3																			870	776	705	5120	M	6	-	-
73	067	3																			797	709	651	3680	F	6	14.7	Y
74	067	3																			890	789	719	5290	M	6	-	-
75	067	3																			896	802	735	5966	M	6	-	-
76	067	3	12/13/85	9.6	ND	ND	0.63	0.32	0.95		T	T	ND	T	0.03	0.04	T	T	0.06	0.12	895	790	731	5476	F	6	27.5	Y
77	067	3																			805	779	716	6022	F	6	28.0	Y
78	067	3																			875	779	718	5808	F	6	22.7	Y
79	067	3																			815	720	661	4774	F	6	21.2	Y
80	067	3																			920	817	750	5364	F	6	33.2	Y
81	067	3	12/18/85	12.0	ND	ND	0.42	T	0.62		T	T	ND	T	T	0.03	T	ND	T	0.09	829	737	673	5924	F	6	31.9	N
82	067	3																			871	788	723	6034	F	6	33.5	Y
83	067	3																			877	779	715	6136	M	6	-	-
84	067	3																			836	734	664	4740	F	6	21.6	Y
85	067	3																			700	620	556	3342	F	6	9.2	N
86	069	3	01/08/86	16.9	ND	ND	1.43	0.72	2.15		T	T	T	T	0.03	0.08	T	T	0.06	0.15	871	775	718	5442	M	6	-	-
87	069	3																			861	760	706	5404	M	6	-	-
88	069	3																			790	696	638	4650	F	6	19.4	Y
89	069	3																			770	678	623	3886	M	6	-	-
90	069	3																			855	762	709	6018	F	6	29.2	Y
91	069	3	01/07/86	7.9	ND	ND	0.66	0.33	0.99		T	T	T	T	T	0.03	T	T	0.04	0.09	874	774	718	5174	M	6	-	-
92	069	3																			809	790	730	5770	M	6	-	-
93	069	3																			861	759	695	5824	F	6	28.2	N
94	069	3																			859	754	700	5284	F	6	31.3	Y
95	069	3																			922	813	755	6024	F	2	32.4	Y
96	069	3	01/07/86	10.0	ND	ND	0.54	T	0.74		T	T	T	T	T	T	T	T	T	0.07	865	760	702	5560	M	6	-	-
97	069	3																			828	734	677	4830	M	6	-	-
98	069	3																			840	738	677	4425	M	6	-	-
99	069	3																			805	710	655	4130	F	6	19.2	N
100	069	3																			900	788	728	6086	M	6	-	-

Appendix Table XIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	o,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
101	069	3	01/13/86	15.6	ND	ND	1.21	0.61	1.82		T	T	T	T	0.03	0.07	T	T	0.07	0.16	885	704	720	6556	F	6	43.6	Y
102	069	3																			803	711	655	4802	F	6	30.8	Y
103	069	3																			770	679	620	4066	F	6	15.9	Y
104	069	3																			875	774	715	5514	M	6	-	-
105	069	3																			879	784	722	5420	F	6	37.8	Y
106	069	3	01/13/86	16.9	ND	ND	1.37	0.69	2.06		T	T	T	T	0.04	0.07	T	T	0.07	0.20	939	830	773	8600	F	6	60.6	Y
107	069	3																			817	720	665	4008	F	6	22.5	N
108	069	3																			790	699	640	4344	F	6	19.4	N
109	069	3																			900	797	740	6478	F	6	30.0	Y
110	069	3																			916	800	740	6528	M	6	-	-
111	069	3	01/14/86	14.0	ND	ND	0.71	0.35	1.06		T	T	T	T	T	0.04	T	T	0.04	0.09	907	790	735	6154	F	6	42.0	Y
112	069	3																			782	690	632	4160	F	6	18.5	N
113	069	3																			795	710	652	5072	F	6	27.2	N
114	069	3																			855	769	707	5814	F	6	42.6	Y
115	069	3																			935	829	774	5634	F	6	39.1	N
116	069	3	01/07/86	11.2	ND	ND	0.61	0.31	0.92		T	T	T	T	T	T	T	T	T	0.07	800	715	656	3932	F	6	20.0	N
117	069	3																			855	756	695	5440	F	6	29.1	N
118	069	3																			860	762	699	5120	F	6	38.7	Y
119	069	3																			764	685	630	4370	M	6	-	-
120	069	3																			864	776	715	5200	M	6	-	-
121	069	3	01/07/86	10.3	ND	ND	0.78	0.39	1.17		T	T	T	T	T	T	T	T	T	0.12	842	740	682	4430	M	6	-	-
122	069	3																			855	763	706	4076	M	6	-	-
123	069	3																			854	767	710	5610	M	6	-	-
124	069	3																			903	795	735	6382	M	6	-	-
125	069	3																			885	773	714	4890	M	6	-	-
126	069	3	12/31/85	12.2	ND	ND	0.93	0.46	1.39		T	T	T	T	T	0.05	T	T	T	0.11	874	772	712	5774	M	6	-	-
127	069	3																			868	775	708	5212	M	6	-	-
128	069	3																			838	739	680	4832	F	6	38.6	Y
129	069	3																			900	801	740	6498	F	6	33.0	Y
130	069	3																			861	760	698	5940	M	6	-	-
131	069	3	12/31/85	16.0	ND	ND	0.78	0.39	1.17		T	T	T	T	T	0.05	T	T	T	0.12	795	715	661	4616	F	6	24.9	Y
132	069	3																			852	755	693	5314	F	6	22.4	Y
133	069	3																			816	721	670	5258	M	6	-	-
134	069	3																			765	676	620	3630	F	6	19.3	Y
135	069	3																			766	681	626	3992	F	6	13.2	N
136	069	3	01/07/86	19.0	ND	ND	1.08	0.54	1.62		T	T	T	0.04	0.03	0.03	T	T	0.09	0.16	786	712	660	4744	M	6	-	-
137	069	3																			890	795	731	5944	M	6	-	-
138	069	3																			915	802	740	7206	M	6	-	-
139	069	3																			754	666	611	3574	F	6	18.8	Y
140	069	3																			892	807	750	6796	M	6	-	-
141	069	3	01/14/86	15.2	ND	ND	0.89	0.44	1.33		T	T	T	T	T	0.05	T	T	T	0.11	876	775	708	6348	F	6	30.3	Y
142	069	3																			626	560	511	2530	M	6	-	-
143	069	3																			805	700	636	4152	M	6	-	-
144	069	3																			873	768	704	5626	F	6	33.6	Y
145	069	3																			890	784	711	6340	F	6	36.2	Y
146	069	3	01/14/86	8.2	ND	ND	0.41	T	0.61		T	T	T	T	T	T	T	T	0.04	0.07	914	814	744	6274	F	6	33.3	Y
147	069	3																			860	758	699	4730	M	6	-	-
148	069	3																			839	750	604	5332	F	6	20.3	Y
149	069	3																			810	715	645	4500	F	6	25.0	Y
150	069	3																			888	783	713	5382	M	6	-	-

Appendix Table XIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
151	069	3	01/08/86	11.4	ND	ND	0.54	T	0.74		T	T	T	T	T	0.03	T	T	T	0.07	730	643	586	3526	F	6	12.1	Y
152	069	3																			885	783	706	5592	M	6	-	-
153	069	3																			911	810	740	7090	F	6	41.8	Y
154	069	3																			836	753	690	5472	F	6	30.2	Y
155	069	3																			909	798	724	6486	F	6	30.4	Y
156	069	3	01/08/86	9.5	ND	ND	1.07	0.53	1.60		T	T	T	T	T	0.06	T	T	0.06	0.12	880	770	714	4892	F	6	26.2	Y
157	069	3																			700	616	561	2820	F	6	10.9	N
158	069	3																			736	651	595	3250	M	6	-	-
159	069	3																			850	754	685	4968	M	6	-	-
160	069	3																			862	760	696	6106	F	6	44.1	Y
161	069	3	01/08/86	14.8	ND	ND	1.11	0.56	1.67		T	T	T	T	0.03	0.07	T	T	0.07	0.16	693	615	567	2990	F	6	8.6	N
162	069	3																			835	730	666	4382	M	6	-	-
163	069	3																			839	735	665	5204	F	6	23.7	Y
164	069	3																			900	790	721	7252	M	6	-	-
165	069	3																			849	750	684	5566	F	6	29.2	Y
166	070	3	01/08/86	12.2	ND	ND	1.18	0.59	1.77		T	T	T	T	0.03	0.06	T	T	0.05	0.13	685	610	557	2876	F	6	12.3	N
167	070	3																			778	690	633	4182	F	6	19.8	Y
168	070	3																			822	721	659	4394	M	6	-	-
169	070	3																			725	642	584	3334	F	6	15.5	Y
170	070	3																			729	653	594	3340	M	6	-	-
171	071	3	01/13/86	19.5	ND	ND	2.92	1.46	4.38		0.03	T	T	0.07	0.12	0.17	T	T	0.17	0.31	856	755	693	5816	F	6	37.9	Y
172	071	3																			836	738	680	5106	M	6	-	-
173	071	3																			643	566	515	2400	F	6	6.7	N
174	071	3																			736	652	598	3566	F	6	14.3	Y
175	071	3																			900	800	743	7724	M	6	-	-
176	071	3	01/13/86	16.0	ND	ND	2.23	1.11	3.34		T	T	T	0.05	0.09	0.11	0.03	T	0.13	0.22	726	648	593	4014	M	6	-	-
177	071	3																			862	770	712	6362	F	6	27.8	Y
178	071	3																			728	648	598	3466	F	6	12.9	N
179	071	3																			850	755	698	5500	F	6	30.4	Y
180	071	3																			750	660	602	3064	M	6	-	-
181	071	3	01/09/86	20.4	ND	ND	2.50	1.26	3.76		0.03	T	T	0.04	0.08	0.15	T	T	0.13	0.23	690	613	561	3404	M	6	-	-
182	071	3																			828	736	680	5914	M	6	-	-
183	071	3																			742	661	609	4140	F	6	17.4	Y
184	071	3																			750	678	622	4168	F	6	17.1	Y
185	071	3																			844	752	693	6590	M	6	-	-
186	071	3	01/17/86	18.3	ND	ND	2.89	1.45	4.34	C	0.03	T	T	0.06	0.12	0.17	0.03	T	0.19	0.25	901	802	738	6986	M	6	-	-
187	071	3																			683	613	560	3046	F	6	12.4	N
188	071	3																			858	767	712	6612	F	6	30.8	Y
189	071	3																			727	640	590	3160	U	1	-	-
190	071	3																			900	790	740	7510	F	6	56.3	Y
191	071	3	01/10/86	14.9	ND	ND	1.71	0.86	2.57		0.03	T	T	0.05	0.07	0.10	T	T	0.11	0.16	770	690	630	4854	F	6	15.8	N
192	071	3																			685	614	568	2980	M	6	-	-
193	071	3																			693	613	566	2972	F	6	9.6	N
194	071	3																			823	730	675	3776	M	6	-	-
195	071	3																			733	654	600	3774	M	6	-	-
196	071	3	01/09/86	12.3	ND	ND	1.56	0.78	2.34		T	T	T	T	0.04	0.07	T	T	0.07	0.12	666	585	536	3256	F	6	9.2	N
197	071	3																			766	678	625	3164	F	6	17.2	N
198	071	3																			717	635	582	3488	F	6	14.0	N
199	071	3																			706	626	580	3334	F	6	13.7	N
200	071	3																			622	550	518	2100	M	6	-	-

Appendix Table XIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
201	071	3	01/07/86	15.6	ND	ND	0.95	0.48	1.43		T	T	T	T	0.03	0.05	T	ND	0.04	0.08	927	820	760	7974	F	6	54.7	Y
202	071	3																			745	660	600	4200	M	6	-	-
203	071	3																			677	604	550	3190	M	6	-	-
204	071	3																			840	755	696	4174	F	6	22.5	Y
205	071	3																			612	544	498	2214	F	6	10.1	Y
206	071	3	01/14/86	14.4	ND	ND	1.20	0.61	1.81		T	T	T	0.03	0.05	0.06	T	T	0.08	0.11	721	638	582	3578	F	6	15.5	N
207	071	3																			739	660	607	3076	F	6	14.3	Y
208	071	3																			690	615	564	3058	M	6	-	-
209	071	3																			710	635	585	3060	F	6	11.5	N
210	071	3																			644	571	530	2696	F	6	9.8	N
211	071	3	01/14/86	17.2	ND	ND	1.09	0.55	1.64		T	T	T	0.03	0.05	0.06	T	T	0.08	0.10	702	620	570	3464	M	6	-	-
212	071	3																			792	700	638	4918	F	6	17.5	Y
213	071	3																			720	691	594	3334	F	6	14.1	Y
214	071	3																			706	624	572	3120	F	6	12.8	Y
215	071	3																			711	626	573	3228	M	6	-	-
216	071	3	01/14/86	14.3	ND	ND	0.96	0.48	1.44		T	T	T	T	T	0.06	T	ND	T	0.10	740	661	606	4200	F	6	13.3	N
217	071	3																			734	653	599	3506	M	6	-	-
218	071	3																			855	752	695	6296	M	6	-	-
219	071	3																			689	615	560	2998	M	6	-	-
220	071	3																			595	525	480	1900	F	6	5.1	N
221	071	3	01/10/86	15.3	ND	ND	1.93	0.97	2.90		T	T	T	0.05	0.08	0.09	T	T	0.12	0.18	748	663	610	3782	F	6	10.2	Y
222	071	3																			721	642	592	3636	M	6	-	-
223	071	3																			696	620	560	3032	F	6	13.8	Y
224	071	3																			692	612	562	3300	M	6	-	-
225	071	3																			860	760	702	6040	F	6	36.8	Y
226	071	3	01/10/86	16.6	ND	ND	2.08	1.03	3.11		0.03	T	T	0.06	0.10	0.11	T	T	0.14	0.20	635	559	509	3006	M	6	-	-
227	071	3																			819	728	670	4610	M	6	-	-
228	071	3																			601	540	498	2320	M	6	-	-
229	071	3																			712	623	572	2970	M	6	-	-
230	071	3																			860	762	708	5896	M	6	-	-
231	071	3	01/10/86	22.2	ND	ND	2.45	1.23	3.68		0.03	T	T	0.06	0.11	0.13	0.03	T	0.15	0.24	840	751	692	6916	M	6	-	-
232	071	3																			732	648	595	3900	F	6	13.4	N
233	071	3																			753	670	621	4134	F	6	16.6	Y
234	071	3																			666	601	552	2890	M	6	-	-
235	071	3																			770	679	630	4240	F	6	21.3	Y
236	071	3	01/10/86	19.2	ND	ND	2.73	1.37	4.10		0.03	T	T	0.07	0.12	0.14	0.03	T	0.16	0.24	720	642	590	3266	F	6	14.8	Y
237	071	3																			729	651	590	3790	F	6	13.3	Y
238	071	3																			731	648	595	3540	F	6	12.4	N
239	071	3																			885	788	728	7644	M	6	-	-
240	071	3																			690	625	574	3772	F	6	10.1	Y
241	071	3	01/07/86	9.0	ND	ND	0.82	0.41	1.23		T	T	T	0.04	0.04	T	T	T	0.08	0.08	718	631	579	3674	F	6	16.4	N
242	071	3																			705	615	562	3346	F	6	14.2	N
243	071	3																			705	621	562	2672	F	6	10.0	N
244	071	3																			880	778	713	6250	F	6	41.2	Y
245	071	3																			718	631	583	3254	M	6	-	-
246	071	3	01/07/86	8.9	ND	ND	0.39	T	0.59		T	T	T	T	T	T	T	T	0.05	0.04	729	644	589	3424	F	6	14.8	N
247	071	3																			812	721	658	5152	F	6	34.0	Y
248	071	3																			736	651	597	3514	M	6	-	-
249	071	3																			595	522	474	1810	M	6	-	-
250	071	3																			746	655	599	3944	M	6	-	-

Appendix Table XIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS					Confirmation	ORGANOHALOGEN PESTICIDES										LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	Total	Fork	Standard				Weight	Retention
251	071	3	01/14/86	17.6	ND	ND	1.36	0.68	2.04		T	T	T	0.03	0.06	0.08	T	T	0.08	0.14	737	650	590	3904	F	6	13.7	N
252	071	3																			691	615	556	3116	M	6	-	-
253	071	3																			721	643	590	3894	F	6	12.0	Y
254	071	3																			739	650	591	3936	F	6	10.1	N
255	071	3																			854	754	700	7242	M	6	-	-
256	072	3	01/13/86	15.0	ND	ND	0.88	0.44	1.32		T	T	T	0.03	0.05	0.04	T	T	0.07	0.09	744	657	600	3592	F	6	16.5	Y
257	072	3																			763	677	622	4042	M	6	-	-
258	072	3																			695	621	566	3122	F	6	14.4	N
259	072	3																			766	678	623	3860	F	6	17.7	Y
260	072	3																			619	549	504	2220	M	6	-	-
261	072	3	01/13/86	21.6	ND	ND	2.30	1.16	3.46		T	0.010	T	0.03	0.06	0.11	T	T	0.10	0.25	719	636	581	3168	F	6	14.0	N
262	072	3																			870	765	706	6028	M	6	-	-
263	072	3																			807	719	662	4690	F	6	24.1	Y
264	072	3																			875	776	711	6532	F	6	-	N
265	072	3																			601	530	483	1990	F	6	6.4	N
266	074	3	01/08/86	15.2	ND	ND	1.69	0.85	2.54		T	T	T	T	0.03	0.09	T	T	0.05	0.16	795	714	652	4370	F	6	33.3	N
267	074	3																			807	721	661	5062	M	6	-	-
268	074	3																			700	694	629	4040	F	6	20.4	Y
269	074	3																			764	678	619	3476	M	6	-	-
270	074	3																			880	779	716	6332	F	6	42.5	Y
271	074	3	01/16/86	20.2	ND	ND	1.64	0.82	2.46		T	0.010	T	T	0.05	0.08	T	T	0.06	0.10	910	800	730	6234	M	6	-	-
272	074	3																			849	740	606	6290	M	6	-	-
273	074	3																			840	747	604	5536	F	6	36.4	Y
274	074	3																			826	729	665	5500	M	6	-	-
275	074	3																			820	725	664	4320	M	6	-	-
276	074	3	01/09/86	14.9	ND	ND	0.58	T	0.78		T	T	T	T	T	0.04	T	T	0.04	0.06	825	726	667	4278	F	6	27.6	Y
277	074	3																			652	578	531	2692	M	6	-	-
278	074	3																			661	590	533	2694	F	6	11.0	N
279	074	3																			739	654	599	4122	M	6	-	-
280	074	3																			800	716	660	4478	M	6	-	-
281	074	3	01/08/86	15.7	ND	ND	1.46	0.73	2.19		T	T	T	T	0.04	0.07	T	T	0.07	0.14	935	851	785	8826	F	6	71.0	Y
282	074	3																			897	796	755	6166	M	6	-	-
283	074	3																			739	651	591	3668	F	6	13.0	N
284	074	3																			652	575	525	2856	M	6	-	-
285	074	3																			731	646	590	3330	M	6	-	-
286	074	3	01/09/86	19.2	ND	ND	1.87	0.94	2.81		T	T	T	0.03	0.06	0.09	T	T	0.11	0.10	650	568	514	2442	F	6	6.0	N
287	074	3																			727	641	582	3390	F	6	14.3	N
288	074	3																			642	569	512	2414	F	6	6.0	N
289	074	3																			766	677	621	4014	F	6	13.5	N
290	074	3																			851	750	695	5476	M	6	-	-
291	074	3	01/09/86	12.4	ND	ND	1.50	0.75	2.25		T	T	T	T	0.04	0.08	T	T	0.08	0.15	685	605	547	3020	M	6	-	-
292	074	3																			588	521	471	1920	F	6	6.0	N
293	074	3																			902	805	726	6984	M	6	-	-
294	074	3																			855	760	691	5904	F	6	31.9	Y
295	074	3																			640	569	520	2456	F	6	6.9	N
296	074	3	01/09/86	16.3	ND	ND	1.29	0.64	1.93		T	T	T	T	T	0.06	T	T	0.05	0.12	890	783	717	6582	F	6	31.2	N
297	074	3																			700	619	565	2792	F	6	11.2	N
298	074	3																			576	509	465	1972	F	6	4.4	N
299	074	3																			850	750	691	5010	F	6	30.0	Y
300	074	3																			805	712	654	4450	F	6	25.5	Y

Appendix Table XIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Contamination	ORGANOHALOGEN PESTICIDES Dieldrin	α BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	p,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
301	074	3	01/09/86	16.2	ND	ND	1.26	0.63	1.89		T	T	T	T	0.03	0.07	T	T	0.06	0.15	880	785	720	6760	M	6	-	-
302	074	3																			777	707	642	4662	F	6	10.0	N
303	074	3																			620	542	501	2330	M	6	-	-
304	074	3																			630	557	507	2220	F	6	4.0	N
305	074	3																			630	555	503	2180	F	6	5.0	N
306	075	3	01/17/86	17.4	ND	ND	1.80	0.90	2.70		T	T	T	0.04	0.07	0.09	T	T	0.10	0.20	711	626	571	2986	M	6	-	-
307	075	3																			715	636	582	3672	F	6	19.1	Y
308	075	3																			622	555	508	2634	M	6	-	-
309	075	3																			831	748	689	5574	M	6	-	-
310	075	3																			859	752	691	4944	F	6	33.5	Y
311	075	3	01/17/86	19.2	ND	ND	2.01	1.00	3.01		0.03	T	T	0.04	0.08	0.12	T	T	0.12	0.20	893	790	724	6626	F	6	36.6	Y
312	075	3																			705	630	577	3004	M	6	-	-
313	075	3																			825	731	670	4906	M	6	-	-
314	075	3																			661	584	530	2938	F	6	12.6	Y
315	075	3																			625	560	512	2364	F	6	8.0	Y
316	075	3	01/16/86	14.9	ND	ND	1.59	0.79	2.38		T	T	T	0.04	0.06	0.07	T	T	0.10	0.10	720	631	580	3546	M	6	-	-
317	075	3																			720	632	579	3542	M	6	-	-
318	075	3																			641	585	537	2490	F	6	10.7	Y
319	075	3																			903	801	747	7492	F	6	53.9	Y
320	075	3																			750	658	600	3670	M	6	-	-
321	075	3	01/16/86	16.3	ND	ND	1.60	0.80	2.40		T	T	T	0.04	0.05	0.08	T	T	0.09	0.10	854	753	692	5474	M	6	-	-
322	075	3																			799	705	645	4750	M	6	-	-
323	075	3																			740	664	609	3688	F	6	17.7	Y
324	075	3																			632	560	514	2726	F	6	12.0	Y
325	075	3																			860	770	711	5220	M	6	-	-
326	075	3	01/15/86	18.6	ND	ND	1.63	0.82	2.45		T	T	T	0.03	0.06	0.09	T	T	0.08	0.17	911	812	750	6722	F	6	50.7	Y
327	075	3																			821	730	670	5070	F	6	43.0	Y
328	075	3																			777	685	634	3850	M	6	-	-
329	075	3																			856	750	700	6440	F	6	45.1	Y
330	075	3																			835	740	681	5906	M	6	-	-
331	075	3	01/15/86	17.1	ND	ND	1.40	0.70	2.10		T	T	T	0.05	0.09	0.06	0.03	T	0.12	0.12	790	697	640	4144	F	6	26.6	Y
332	075	3																			859	770	711	6042	F	6	41.5	Y
333	075	3																			806	706	643	4150	F	6	26.0	Y
334	075	3																			678	597	543	3096	M	6	-	-
335	075	3																			796	709	651	4716	M	6	-	-
336	075	3	01/17/86	17.5	ND	ND	1.80	0.90	2.70		0.03	T	T	0.05	0.08	0.11	0.03	T	0.12	0.10	750	658	600	3410	F	6	10.6	Y
337	075	3																			899	797	735	7144	F	6	34.0	Y
338	075	3																			819	732	673	5436	F	6	32.0	Y
339	075	3																			830	732	673	6906	F	6	50.2	N
340	075	3																			766	675	614	3650	M	6	-	-
341	075	3	01/16/86	16.2	ND	ND	1.10	0.55	1.65		T	T	T	0.04	0.05	0.07	T	T	0.08	0.10	733	646	592	3672	M	6	-	-
342	075	3																			810	714	659	4416	M	6	-	-
343	075	3																			760	675	616	3000	F	6	15.5	N
344	075	3																			745	659	600	3724	M	6	-	-
345	075	3																			726	640	585	3064	M	6	-	-
346	075	3	01/16/86	13.7	ND	ND	1.20	0.60	1.80		T	T	T	0.04	0.06	0.07	T	T	0.10	0.15	736	658	599	3062	M	6	-	-
347	075	3																			772	680	621	4036	M	6	-	-
348	075	3																			771	684	631	4152	M	6	-	-
349	075	3																			751	657	604	3002	F	6	17.9	N
350	075	3																			782	703	647	4136	M	6	-	-

Appendix Table XIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	% Lipid	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	ORGANOHALOGEN PESTICIDES Dieldrin	α-BHC	HCB	Trans-Chlordane	Cis-Chlordane	Trans-Nonachlor	Octachlor Epoxide	o,p'-DDT	p,p'-TDE	p,p'-DDE	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
351	075	3	01/16/86	10.4	ND	ND	1.97	0.99	2.96		T	T	T	0.05	0.08	0.11	T	T	0.14	0.23	785	701	643	3900	F	6	10.0	N
352	075	3																			836	735	681	5440	M	6	-	-
353	075	3																			718	632	581	3110	M	6	-	-
354	075	3																			931	832	770	7992	F	6	60.0	N
355	075	3																			770	672	619	4424	F	6	19.9	N
356	075	3	01/17/86	10.4	ND	ND	1.98	0.99	2.97		0.03	T	T	0.05	0.09	0.11	T	T	0.14	0.21	911	808	742	7702	F	6	50.3	N
357	075	3																			890	793	734	5760	M	6	-	-
358	075	3																			732	652	600	3000	F	6	22.3	N
359	075	3																			834	738	677	5092	M	6	-	-
360	075	3																			661	582	535	2764	F	6	11.4	N
361	075	3	01/17/86	15.0	ND	ND	1.41	0.71	2.12		T	T	T	T	0.04	0.08	T	T	0.06	0.15	796	704	644	4942	M	6	-	-
362	075	3																			706	624	566	3366	M	6	-	-
363	075	3																			907	800	733	6364	F	6	50.0	N
364	075	3																			711	632	582	3670	M	6	-	-
365	075	3																			857	765	709	5074	F	6	34.2	N
366	076	3	01/16/86	15.2	ND	ND	0.94	0.47	1.41		T	T	T	T	0.03	0.05	T	T	T	0.11	740	658	604	3080	M	6	-	-
367	076	3																			863	765	702	6032	M	6	-	-
368	076	3																			860	764	702	6162	F	6	43.0	N
369	076	3																			816	719	660	4502	F	6	30.9	N
370	076	3																			754	670	616	4722	F	6	20.3	N
371	076	3	01/16/86	16.2	ND	ND	1.22	0.61	1.83		T	T	T	0.03	0.05	0.08	T	T	0.07	0.12	885	778	718	5792	F	6	51.4	N
372	076	3																			880	792	721	5096	F	6	45.6	N
373	076	3																			805	716	658	4542	M	6	-	-
374	076	3																			856	758	696	5306	M	6	-	-
375	076	3																			841	752	698	5292	F	6	30.2	N
376	076	3	01/15/86	21.3	ND	ND	1.33	0.67	2.00		T	0.020	T	0.03	0.08	0.07	T	T	0.10	0.17	839	738	675	4608	M	6	-	-
377	076	3																			861	758	702	5646	M	6	-	-
378	076	3																			862	758	702	5700	F	6	33.0	N
379	076	3																			814	715	655	5352	F	6	40.3	N
380	076	3																			896	796	733	6224	F	6	30.0	N

APPENDIX TABLE XIV.

SITE 4 (North Carolina, January-February 1985) listing, on an individual sample basis, of PCB and biological observations relative to individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
1	2	1	03/13/85	5.1	ND	ND	0.33	T	0.53		337	298	253	400	U	1	-	-
2	2	1	03/22/85	2.3	ND	ND	T	T	0.20		318	287	252	388	U	1	-	-
3	2	1	02/28/85	2.4	ND	ND	T	T	0.20		315	278	246	274	U	1	-	-
4	2	1	03/05/85	1.1	ND	ND	0.63	0.32	0.95		323	281	256	300	U	1	-	-
5	2	1	03/05/85	2.3	ND	ND	0.31	T	0.51		322	289	251	332	U	1	-	-
6	2	1	03/07/85	0.8	ND	ND	T	T	0.20		325	298	257	376	U	1	-	-
7	2	1	02/28/85	2.6	ND	ND	T	T	0.20		315	280	250	300	U	1	-	-
8	2	1	03/08/85	2.3	ND	ND	T	T	0.20		319	281	250	342	U	1	-	-
9	2	1	03/25/85	0.5	ND	ND	T	T	0.20		335	296	257	346	U	1	-	-
10	2	1	03/22/85	1.8	ND	ND	T	T	0.20		322	290	254	342	U	1	-	-
11	2	1	03/07/85	3.4	ND	ND	T	T	0.20		315	281	245	322	U	1	-	-
12	2	1	03/13/85	3.8	ND	ND	T	T	0.20		318	282	251	346	U	1	-	-
13	2	1	03/22/85	2.7	ND	ND	T	T	0.20		331	299	250	362	U	1	-	-
14	2	1	03/13/85	1.4	ND	ND	ND	ND	0.00		320	288	254	340	U	1	-	-
15	1	2	04/30/85	7.8	ND	ND	0.39	T	0.59		411	362	331	692	U	1	-	-
16	1	2	04/19/85	7.2	ND	ND	0.51	T	0.71		435	385	348	800	U	1	-	-
17	1	2	04/01/85	3.9	ND	ND	T	T	0.20		431	382	342	740	U	1	-	-
18	1	2	03/26/85	5.1	ND	ND	T	T	0.20		431	385	352	830	U	1	-	-
19	1	2	03/27/85	4.3	ND	ND	0.44	T	0.64		440	386	355	806	U	1	-	-
20	1	2	04/18/85	5.0	ND	ND	0.80	0.40	1.20		436	384	349	830	U	1	-	-
21	1	2	03/27/85	5.8	ND	ND	0.44	T	0.64		427	375	343	824	U	1	-	-
22	1	2	04/05/85	4.9	ND	ND	0.54	T	0.74		445	399	354	932	U	1	-	-
23	1	2	03/26/85	2.2	ND	ND	0.34	T	0.54		419	373	335	704	U	1	-	-
24	1	2	04/17/85	5.5	ND	ND	T	T	0.20		399	355	320	630	U	1	-	-
25	2	2	04/01/85	1.7	ND	ND	T	T	0.20		347	309	275	456	U	1	-	-
26	2	2	04/01/85	5.9	ND	ND	0.78	0.38	1.16		410	364	324	726	U	1	-	-
27	2	2	04/04/85	4.0	ND	ND	T	T	0.20		350	309	277	442	U	1	-	-
28	2	2	04/03/85	4.0	ND	ND	T	T	0.20		345	310	273	424	U	1	-	-
29	2	2	04/01/85	4.0	ND	ND	0.61	0.30	0.91		345	309	272	412	F	1	-	N
30	2	2	03/13/85	0.3	ND	ND	ND	ND	0.00		414	370	333	682	F	1	-	N
31	2	2	04/01/85	2.1	ND	ND	T	T	0.20		353	318	281	428	U	1	-	-
32	2	2	04/01/85	0.9	ND	ND	T	T	0.20		430	388	342	662	M	1	-	-
33	2	2	04/04/85	1.4	ND	ND	T	T	0.20		351	310	277	478	U	1	-	-
34	2	2	04/03/85	0.4	ND	ND	ND	ND	0.00		430	384	341	728	F	1	-	N
35	2	2	03/22/85	3.2	ND	ND	T	T	0.20		333	301	260	380	U	1	-	-
36	2	2	04/01/85	2.0	ND	ND	T	T	0.20		350	309	277	430	U	1	-	-
37	2	2	04/05/85	2.5	ND	ND	T	T	0.20		339	301	266	374	U	1	-	-
38	2	2	03/05/85	2.4	ND	ND	T	T	0.20		360	318	281	454	U	1	-	-
39	2	2	03/13/85	1.9	ND	ND	0.34	T	0.54		363	318	283	518	U	0	-	-
40	2	2	03/22/85	3.4	ND	ND	T	T	0.20		342	303	271	422	U	1	-	-
41	2	2	04/19/85	1.3	ND	ND	T	T	0.20		349	308	275	418	M	1	-	-
42	2	2	04/03/85	2.2	ND	ND	0.80	0.40	1.20		423	373	333	694	F	1	-	N
43	2	2	02/28/85	0.9	ND	ND	ND	ND	0.00		334	301	263	374	U	1	-	-
44	2	2	03/13/85	1.3	ND	ND	T	T	0.20		355	315	280	426	U	1	-	-
45	1	3	03/26/85	15.3	ND	ND	1.96	0.97	2.93	C	918	825	760	7120	F	6	50.7	N
46	1	3	05/09/85	17.7	ND	ND	1.45	0.72	2.17		850	759	699	5660	F	6	39.5	N
47	1	3	04/03/85	17.9	ND	ND	2.07	1.02	3.09	C	792	709	655	4480	M	6	-	-
48	1	3	04/03/85	5.7	ND	ND	1.01	0.49	1.50		877	782	715	5654	M	6	-	-
49	1	3	04/04/85	15.4	ND	ND	0.85	0.42	1.27		762	675	629	4182	M	6	-	-
50	1	3	04/03/85	16.7	ND	ND	1.74	0.82	2.56	C	845	755	686	5602	F	6	39.3	N

Appendix Table XIV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
51	3	3	04/22/85	19.1	ND	ND	0.71	0.36	1.07		838	740	685	6058	F	6	49.0	N
52	3	3	04/30/85	17.4	ND	ND	0.79	0.40	1.19		825	735	672	5394	M	6	-	-
53	3	3	04/23/85	15.8	ND	ND	0.96	0.48	1.44		849	756	696	5764	F	6	41.0	N
54	3	3	04/20/85	14.0	ND	ND	0.82	0.41	1.23		825	734	673	4894	F	6	31.7	N
55	3	3	04/25/85	19.8	ND	ND	0.90	0.45	1.35		763	674	616	4686	F	6	27.1	N
56	3	3	04/25/85	20.6	ND	ND	1.39	0.70	2.09	C	847	751	686	5764	M	6	-	-
57	3	3	04/27/85	18.8	ND	ND	0.76	0.38	1.14		757	668	610	4360	M	6	-	-
58	3	3	04/17/85	13.6	ND	ND	1.46	0.73	2.19		776	687	629	4060	M	6	-	-
59	3	3	04/20/85	21.0	ND	ND	0.64	0.32	0.96		824	732	666	4636	F	6	33.9	N
60	3	3	04/30/85	15.0	ND	ND	1.03	0.52	1.55		762	692	632	5084	M	6	-	-
61	3	3	05/07/85	13.6	ND	ND	0.78	0.39	1.17		853	750	684	5128	M	6	-	-
62	3	3	04/27/85	17.2	ND	ND	1.86	0.93	2.80	C	865	761	696	6012	F	6	56.9	Y
63	3	3	05/07/85	11.6	ND	ND	0.70	0.35	1.05		825	729	670	5104	F	6	34.2	Y
64	3	3	04/20/85	20.1	ND	ND	0.86	0.43	1.29		827	740	678	5538	F	6	38.6	Y
65	3	3	04/25/85	12.8	ND	ND	0.66	0.33	0.99		756	675	614	3860	F	6	23.9	Y
66	3	3	04/25/85	17.3	ND	ND	1.54	0.77	2.31	C	804	705	650	4566	M	6	-	-
67	3	3	04/22/85	19.8	ND	ND	0.52	T	0.72		860	765	706	6316	F	6	70.7	Y
68	3	3	05/08/85	15.1	ND	ND	0.86	0.43	1.29		794	703	641	4356	M	6	-	-
69	3	3	04/01/85	22.8	ND	ND	2.44	1.22	3.66	C	837	740	672	5560	M	6	-	-
70	3	3	05/09/85	15.8	ND	ND	1.26	0.63	1.89		829	736	676	5216	F	6	46.9	Y
71	3	3	04/20/85	6.4	ND	ND	0.80	0.40	1.20		813	718	660	4614	F	6	28.1	Y
72	3	3	05/08/85	9.0	ND	ND	0.51	T	0.71		833	730	667	4236	F	6	29.3	Y
73	3	3	04/25/85	13.9	ND	ND	0.74	0.37	1.11		767	678	620	4466	F	6	36.3	Y
74	3	3	04/27/85	11.0	ND	ND	0.63	0.32	0.95		825	728	657	4482	F	6	33.2	Y
75	3	3	04/10/85	7.5	ND	ND	2.38	1.19	3.57	C	893	789	725	6358	M	6	-	-
76	3	3	04/23/85	11.3	ND	ND	0.66	0.33	0.99		832	748	683	5862	F	6	46.7	Y
77	3	3	04/27/85	12.8	ND	ND	1.37	0.69	2.06		777	703	642	4278	F	6	29.2	Y
78	3	3	04/30/85	16.0	ND	ND	0.93	0.47	1.40		791	696	635	4598	F	6	33.5	Y
79	3	3	04/25/85	11.8	ND	ND	1.18	0.60	1.78		790	691	631	4094	M	6	-	-
80	3	3	05/09/85	18.2	ND	ND	1.52	0.76	2.28		856	763	702	5526	M	6	-	-
81	3	3	04/30/85	14.6	ND	ND	1.19	0.60	1.79		780	690	636	4166	M	6	-	-
82	3	3	04/30/85	11.8	ND	ND	1.38	0.69	2.07		885	787	719	5748	M	6	-	-
83	3	3	04/10/85	13.3	ND	ND	1.37	0.68	2.05		800	711	662	4772	M	6	-	-
84	3	3	04/23/85	9.5	ND	ND	0.74	0.37	1.11		823	729	662	5256	F	6	31.5	Y
85	3	3	04/20/85	14.6	ND	ND	1.18	0.59	1.77		805	718	636	4794	M	6	-	-
86	3	3	04/27/85	16.8	ND	ND	2.59	1.29	3.88		875	778	715	5574	F	6	42.7	Y
87	3	3	04/27/85	18.0	ND	ND	0.74	0.37	1.11		775	690	632	4164	F	6	32.2	Y
88	3	3	05/07/85	16.3	ND	ND	0.84	0.42	1.25		749	668	607	4128	F	6	28.4	Y
89	3	3	04/20/85	18.4	ND	ND	0.90	0.45	1.35		820	730	663	5484	F	6	63.0	Y
90	3	3	05/09/85	16.9	ND	ND	1.25	0.62	1.87	C	746	667	609	4150	M	6	-	-
91	3	3	04/10/85	17.5	ND	ND	3.02	1.51	4.53	C	875	779	715	6680	F	6	55.5	Y
92	3	3	04/23/85	15.9	ND	ND	0.87	0.44	1.31		817	728	669	4590	F	6	40.2	Y
93	3	3	04/19/85	16.5	ND	ND	0.75	0.37	1.12		792	700	659	4554	M	6	-	-
94	3	3	05/09/85	14.0	ND	ND	0.85	0.43	1.28		840	749	695	6110	F	6	56.0	Y
95	3	3	04/19/85	13.5	ND	ND	0.89	0.45	1.34		802	722	660	5044	M	6	-	-
96	3	3	05/09/85	17.8	ND	ND	1.08	0.54	1.62	C	807	725	667	4856	F	6	37.8	Y
97	3	3	04/18/85	10.0	ND	ND	1.15	0.58	1.73		836	740	676	5202	M	6	-	-
98	3	3	04/18/85	13.7	ND	ND	1.91	0.96	2.87	C	833	730	660	5464	M	6	-	-
99	3	3	05/09/85	16.1	ND	ND	1.04	0.52	1.56		783	700	637	5070	F	6	38.2	Y

APPENDIX TABLE XV.

SITE 9 (New York Bight, May-June 1985) listing, on an individual sample basis, of PCB and biological observations relative to individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
1	14	1	06/20/85	1.4	ND	ND	T	T	0.20		296	257	225	206	U	1	-	-
2	14	1	06/13/85	3.5	ND	ND	0.42	T	0.63		331	289	250	348	F	1	2.8	Y
3	14	1	06/13/85	1.3	ND	ND	T	ND	0.20		288	255	228	228	U	1	-	-
4	16	1	06/13/85	0.6	ND	ND	ND	ND	0.00		327	292	262	326	F	1	1.1	Y
5	16	1	06/20/85	2.8	ND	ND	T	ND	0.20		328	290	262	324	M	1	-	-
6	16	1	06/20/85	1.9	ND	ND	T	ND	0.20		329	288	255	328	F	1	2.3	Y
7	16	1	06/20/85	1.3	ND	ND	ND	ND	0.00		320	280	249	304	M	2	-	-
8	16	1	06/20/85	1.9	ND	ND	T	ND	0.20		301	263	238	262	F	1	1.5	Y
9	16	1	06/13/85	1.0	ND	ND	T	ND	0.20		322	281	245	326	F	1	1.4	Y
10	16	1	06/20/85	1.0	ND	ND	ND	ND	0.00		315	275	245	280	F	1	1.7	Y
11	24	1	08/19/85	1.8	ND	ND	T	T	0.20		296	259	234	262	U	1	-	-
12	24	1	08/19/85	0.9	ND	ND	T	T	0.20		288	252	225	236	U	1	-	-
13	24	1	08/19/85	1.1	ND	ND	T	T	0.20		335	296	271	364	U	1	-	-
14	24	1	08/19/85	1.1	ND	ND	T	T	0.20		296	262	235	250	U	1	-	-
15	24	1	08/19/85	0.7	ND	ND	T	T	0.20		332	290	263	310	M	1	-	-
16	13	2	08/12/85	0.9	ND	ND	0.34	T	0.54		474	419	379	1030	F	1	4.1	Y
17	13	2	08/14/85	2.0	ND	ND	T	T	0.20		470	416	375	966	F	1	3.0	Y
18	13	2	08/14/85	0.7	ND	ND	T	T	0.20		519	450	412	1316	U	1	-	-
19	13	2	08/05/85	0.5	ND	ND	T	ND	0.20		442	392	350	732	U	1	-	-
20	13	2	08/05/85	2.1	ND	ND	T	ND	0.20		502	450	400	1252	U	1	-	-
21	16	2	06/24/85	2.0	ND	ND	T	T	0.20		495	438	394	1166	U	1	-	-
22	16	2	06/24/85	1.8	ND	ND	T	T	0.20		492	436	390	964	F	6	3.7	Y
23	16	2	06/24/85	3.1	ND	ND	0.50	T	0.70		539	478	430	1396	M	6	-	-
24	16	2	06/24/85	0.3	ND	ND	T	T	0.20		510	455	409	1286	F	6	6.7	Y
25	16	2	06/24/85	5.7	ND	ND	T	T	0.20		530	469	426	1392	F	6	6.9	Y
26	24	2	08/14/85	2.2	ND	ND	0.44	T	0.64		541	476	433	1366	U	1	-	-
27	24	2	08/05/85	1.5	ND	ND	0.44	T	0.64		514	453	412	1182	U	1	-	-
28	24	2	08/16/85	1.2	ND	ND	0.35	T	0.55		460	406	372	942	F	1	2.4	Y
29	24	2	08/19/85	1.1	ND	ND	T	T	0.20		356	316	283	436	U	1	-	-
30	24	2	08/15/85	1.3	ND	ND	T	T	0.20		355	314	285	434	F	1	6.4	Y
31	24	2	08/15/85	0.7	ND	ND	T	T	0.20		450	395	358	802	F	1	3.0	Y
32	24	2	08/16/85	2.1	ND	ND	T	T	0.20		395	349	314	608	M	1	-	-
33	24	2	08/15/85	2.3	ND	ND	0.71	0.36	1.07		355	311	281	420	U	1	-	-
34	24	2	08/12/85	3.4	ND	ND	0.61	0.30	0.91		426	377	339	704	F	1	5.7	Y
35	24	2	08/16/85	1.0	ND	ND	0.35	T	0.55		350	313	277	402	U	1	-	-
36	24	2	08/14/85	0.8	ND	ND	T	T	0.20		356	310	275	424	F	1	3.8	Y
37	24	2	08/12/85	1.2	ND	ND	0.36	T	0.56		376	330	295	474	U	1	-	-
38	24	2	08/14/85	3.1	ND	ND	0.40	T	0.60		371	328	294	508	M	1	-	-
39	24	2	08/05/85	0.5	ND	ND	ND	ND	0.00		397	347	318	578	M	2	-	-
40	24	2	08/05/85	1.0	ND	ND	T	T	0.20		484	429	385	1064	M	1	-	-
41	24	2	08/05/85	4.3	ND	ND	0.47	T	0.67		370	325	292	498	F	1	4.0	Y
42	24	2	08/12/85	1.6	ND	ND	0.41	T	0.61		385	340	308	542	M	2	-	-
43	24	2	08/12/85	1.0	ND	ND	T	T	0.20		389	340	307	550	U	1	-	-
44	24	2	08/14/85	0.4	ND	ND	T	ND	0.20		376	334	300	462	U	1	-	-
45	24	2	08/12/85	2.4	ND	ND	0.41	T	0.61		339	301	270	364	U	1	-	-
46	13	3	07/24/85	10.1	ND	ND	1.39	0.70	2.09		861	766	711	6198	F	2	111.4	Y
47	14	3	07/24/85	2.0	ND	ND	2.92	1.46	4.38		931	821	752	6096	F	6	50.7	Y
48	15	3	07/03/85	6.0	ND	ND	0.76	0.38	1.14		702	624	553	2674	F	6	15.8	Y
49	15	3	07/24/85	6.5	ND	ND	1.00	0.48	1.48		700	617	566	3020	M	6	-	-
50	15	3	07/10/85	3.1	ND	ND	0.64	0.32	0.96		725	641	588	2806	F	6	19.4	Y

Appendix Table XV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
51	15	3	07/10/85	0.3	ND	ND	0.48	T	0.68		695	617	551	3062	F	6	30.8	Y
52	15	3	07/03/85	3.3	ND	ND	0.87	0.44	1.31		700	620	562	2808	F	6	20.0	Y
53	15	3	07/19/85	2.3	ND	ND	0.47	T	0.67		729	642	588	2798	F	6	16.6	Y
54	15	3	07/03/85	1.3	ND	ND	0.35	T	0.55		765	677	616	3306	F	6	25.3	Y
55	15	3	07/03/85	3.1	ND	ND	0.48	T	0.68		715	626	570	2656	M	6	-	-
56	16	3	06/28/85	2.5	ND	ND	0.38	T	0.58		680	603	551	2550	F	6	14.2	Y
57	16	3	06/28/85	7.4	ND	ND	0.94	0.47	1.41		752	669	609	3938	M	2	-	-
58	16	3	06/25/85	3.7	ND	ND	0.50	T	0.70		675	604	551	2532	M	6	-	-
59	16	3	06/28/85	8.1	ND	ND	0.52	T	0.72		704	626	572	3212	F	6	27.9	Y
60	16	3	06/28/85	9.4	ND	ND	0.81	0.41	1.22		680	605	549	2768	M	6	-	-
61	16	3	06/28/85	9.7	ND	ND	2.30	1.15	3.45		667	590	541	2662	M	6	-	-
62	16	3	06/28/85	10.4	ND	ND	0.57	T	0.77		690	610	550	3008	F	2	24.0	Y
63	16	3	06/28/85	10.0	ND	ND	0.84	0.42	1.26		695	618	566	3146	F	6	18.2	Y
64	16	3	06/28/85	3.1	9.21	ND	9.21	4.60	23.02		755	670	611	3510	F	6	28.5	Y
65	16	3	06/28/85	6.0	ND	ND	0.67	0.34	1.01		635	558	511	2416	M	2	-	-
66	16	3	06/28/85	5.9	ND	ND	0.63	0.32	0.95		650	579	529	2312	M	6	-	-
67	16	3	07/03/85	1.1	ND	ND	T	T	0.20		740	665	607	2990	F	6	21.2	Y
68	16	3	06/28/85	5.6	ND	ND	0.50	T	0.70		722	645	595	3056	F	6	18.1	Y
69	16	3	07/03/85	13.3	ND	ND	1.27	0.64	1.91		630	561	511	2360	F	6	17.3	Y
70	17	3	07/25/85	0.1	ND	ND	T	T	0.20		841	750	691	4108	F	6	30.4	Y
71	17	3	08/06/85	0.7	ND	ND	ND	ND	0.00		871	777	711	5604	F	6	55.0	Y
72	17	3	07/25/85	0.6	ND	ND	0.89	0.44	1.33		825	731	676	4482	M	6	-	-
73	17	3	07/31/85	3.3	ND	ND	0.86	0.43	1.29		790	720	660	4102	M	6	-	-
74	19	3	08/05/85	1.5	ND	ND	0.90	0.45	1.35		769	680	627	3044	M	6	-	-
75	19	3	08/22/85	2.9	ND	ND	0.43	T	0.63		675	595	548	2438	F	6	25.7	Y
76	19	3	08/06/85	8.1	ND	ND	0.58	T	0.78		795	708	649	4066	F	2	144.4	Y
77	19	3	08/22/85	3.2	ND	ND	0.36	T	0.56		604	539	492	2028	M	6	-	-
78	19	3	08/22/85	7.0	ND	ND	0.70	0.35	1.05		700	623	571	2868	M	2	-	-
79	19	3	08/05/85	1.0	ND	ND	T	T	0.20		685	615	560	2676	M	6	-	-
80	19	3	07/18/85	4.8	ND	ND	0.47	T	0.67		680	610	560	2764	F	2	47.6	Y
81	19	3	07/19/85	1.6	ND	ND	T	T	0.20		688	608	555	2368	F	6	23.6	Y
82	19	3	07/23/85	2.3	ND	ND	T	T	0.20		705	624	566	2840	F	6	20.1	Y
83	19	3	07/19/85	1.5	ND	ND	T	T	0.20		665	590	537	2324	F	6	14.1	Y
84	19	3	07/19/85	6.5	ND	ND	0.63	0.32	0.95		780	682	636	3800	M	2	-	-
85	19	3	07/31/85	0.2	ND	ND	T	T	0.20		787	699	640	3554	F	6	32.1	Y
86	19	3	07/25/85	3.3	ND	ND	T	T	0.20		650	577	525	2472	M	6	-	-
87	19	3	07/25/85	1.3	ND	ND	0.35	T	0.55		775	688	632	3556	M	6	-	-
88	19	3	07/25/85	0.6	ND	ND	T	T	0.20		640	575	527	2066	M	6	-	-
89	19	3	07/25/85	2.5	ND	ND	0.38	T	0.58		672	592	540	2394	F	6	16.3	Y
90	19	3	07/31/85	6.7	ND	ND	0.56	T	0.76		700	617	568	2792	F	2	47.6	Y
91	19	3	08/06/85	8.3	ND	ND	1.09	0.55	1.64		761	671	622	3480	F	2	54.8	Y
92	19	3	07/19/85	4.8	ND	ND	1.51	0.76	2.27		699	615	563	2588	M	6	-	-
93	19	3	08/05/85	1.3	ND	ND	T	ND	0.20		643	567	520	2166	M	6	-	-
94	21	3	07/18/85	2.3	ND	ND	0.47	T	0.67		694	605	550	2336	F	6	23.9	Y
95	21	3	07/18/85	7.6	ND	ND	0.57	T	0.77		686	600	549	2540	F	6	15.3	N
96	21	3	07/23/85	7.0	ND	ND	1.33	0.66	1.99		680	599	548	2792	F	2	94.0	Y
97	21	3	07/23/85	2.1	ND	ND	0.40	T	0.60		654	589	533	2520	M	6	-	-
98	21	3	07/19/85	2.4	ND	ND	T	T	0.20		662	596	546	2326	F	6	13.6	Y
99	21	3	07/10/85	6.2	ND	ND	0.58	T	0.78		661	594	537	2576	M	2	-	-
100	21	3	07/10/85	5.4	ND	ND	0.69	0.34	1.03		662	583	534	2336	M	2	-	-

Appendix Table XV. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
101	21	3	07/10/85	5.1	ND	ND	0.42	T	0.62		733	650	596	3210	M	6	-	-
102	21	3	07/10/85	0.6	ND	ND	1.02	0.51	1.53		648	576	525	2526	F	6	26.6	Y
103	21	3	07/10/85	3.7	ND	ND	0.70	0.35	1.05		670	600	545	2466	M	6	-	-

APPENDIX TABLE XVI.

SITE 10 (New England, June 1985) listing, on an individual sample basis, of PCB and biological observations relative to individual fish samples collected during 1984-85 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
1	28	1	09/09/85	1.4	ND	ND	T	T	0.20		327	285	256	354	U	1	-	-
2	28	1	09/10/85	1.5	ND	ND	T	T	0.20		333	293	259	372	U	1	-	-
3	28	1	09/13/85	1.2	ND	ND	T	T	0.20		335	295	263	366	U	1	-	-
4	28	1	09/10/85	0.9	ND	ND	T	T	0.20		338	299	271	378	U	1	-	-
5	30	1	09/04/85	3.2	ND	ND	0.40	T	0.60		320	268	250	290	U	1	-	-
6	32	1	09/20/85	0.2	ND	ND	T	T	0.20		335	295	263	390	M	2	-	-
7	33	1	10/08/85	2.4	ND	ND	T	T	0.20		317	280	254	312	U	1	-	-
8	33	1	10/05/85	1.3	ND	ND	T	T	0.20		340	299	269	394	U	1	-	-
9	33	1	10/08/85	4.7	ND	ND	0.45	T	0.65		339	299	270	408	F	6	3.6	N
10	25	2	09/20/85	2.9	ND	ND	T	T	0.20		492	432	399	1046	U	1	-	-
11	25	2	09/27/85	3.5	ND	ND	T	T	0.20		498	440	397	1100	U	1	-	-
12	25	2	09/20/85	1.1	ND	ND	0.34	T	0.54		492	430	390	1140	U	1	-	-
13	28	2	09/13/85	0.9	ND	ND	T	T	0.20		354	315	283	446	M	1	-	-
14	28	2	09/09/85	1.4	ND	ND	T	T	0.20		382	336	303	526	F	1	3.6	N
15	28	2	09/09/85	1.6	ND	ND	T	T	0.20		360	316	284	448	U	1	-	-
16	28	2	09/13/85	0.9	ND	ND	T	T	0.20		377	334	299	552	U	1	-	-
17	28	2	09/09/85	2.4	ND	ND	T	T	0.20		368	320	291	490	F	3	17.9	Y
18	28	2	09/13/85	1.5	ND	ND	T	T	0.20		380	338	302	564	M	1	-	-
19	28	2	09/09/85	1.4	ND	ND	T	T	0.20		368	323	292	472	M	3	-	-
20	28	2	09/20/85	1.2	ND	ND	T	T	0.20		397	347	312	622	M	1	-	-
21	28	2	09/10/85	1.2	ND	ND	T	T	0.20		378	329	300	514	M	2	-	-
22	28	2	09/13/85	1.2	ND	ND	T	T	0.20		385	340	310	564	U	1	-	-
23	28	2	08/10/85	2.9	ND	ND	0.37	T	0.57		340	301	272	390	U	1	-	-
24	28	2	09/13/85	2.1	ND	ND	0.33	T	0.53		356	314	283	462	F	1	2.7	Y
25	28	2	09/16/85	5.6	ND	ND	0.36	T	0.56		360	315	285	492	F	1	2.8	Y
26	28	2	09/10/85	1.6	ND	ND	T	T	0.20		388	339	304	550	U	1	-	-
27	28	2	09/04/85	4.4	ND	ND	0.31	T	0.51		369	322	291	506	F	2	12.1	Y
28	31	2	09/20/85	2.5	ND	ND	T	T	0.20		557	490	445	1660	F	6	8.9	N
29	31	2	09/10/85	2.9	ND	ND	0.44	T	0.64		347	304	272	432	U	1	-	-
30	31	2	09/09/85	1.7	ND	ND	T	T	0.20		352	308	272	402	M	6	-	-
31	31	2	09/04/85	0.8	ND	ND	T	T	0.20		350	310	276	408	U	1	-	-
32	31	2	09/16/85	1.7	ND	ND	T	T	0.20		350	305	271	394	F	2	4.6	Y
33	32	2	09/20/85	1.4	ND	ND	T	T	0.20		537	473	429	1307	F	6	5.7	N
34	30	2	09/27/85	3.3	ND	ND	0.30	T	0.50		530	475	427	1340	U	1	-	-
35	30	2	09/27/85	1.8	ND	ND	T	T	0.20		525	466	415	1480	F	6	7.3	N
36	30	2	09/20/85	4.7	ND	ND	0.61	0.31	0.92		546	483	441	1432	M	6	-	-
37	30	2	09/27/85	1.6	ND	ND	T	T	0.20		503	447	403	1168	U	1	-	-
38	30	2	09/27/85	3.7	ND	ND	0.80	0.40	1.20	C	536	472	426	1512	F	1	3.6	N
39	30	2	09/20/85	2.8	ND	ND	T	T	0.20		503	445	405	1174	F	1	6.6	N
40	35	2	10/08/85	7.8	ND	ND	0.68	0.34	1.02		550	487	442	1606	F	6	9.5	N
41	37	2	10/04/85	7.6	ND	ND	0.44	T	0.64		521	461	421	1328	M	6	-	-
42	37	2	10/05/85	6.4	ND	ND	0.39	T	0.59		557	490	444	1572	M	6	-	-
43	37	2	10/08/85	2.3	ND	ND	0.31	T	0.51		525	461	420	1216	F	6	5.8	N
44	37	2	10/08/85	4.1	ND	ND	T	T	0.20	c	544	483	441	1490	M	6	-	-
45	37	2	10/03/85	6.4	ND	ND	0.57	T	0.77		530	476	431	1368	M	6	-	-
46	37	2	09/27/85	2.0	ND	ND	T	T	0.20		495	442	399	1132	U	1	-	-
47	28	3	09/30/85	1.0	ND	ND	1.29	0.65	1.94	C	825	738	682	4468	M	6	-	-
48	28	3	09/27/85	0.8	ND	ND	2.32	1.16	3.48	C	830	736	681	3806	M	6	-	-
49	29	3	09/27/85	0.8	ND	ND	0.72	0.36	1.08		812	735	682	4422	F	6	20.7	Y
50	30	3	10/04/85	0.8	ND	ND	0.57	T	0.77		850	750	692	4966	M	6	-	-

Appendix Table XVI. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
51	30	3	09/27/85	0.9	ND	ND	1.00	0.50	1.50	C	840	740	680	3510	F	6	46.9	N
52	30	3	09/20/85	7.0	ND	ND	0.77	0.39	1.16	C	590	520	472	1908	M	6	-	-
53	30	3	09/20/85	5.7	ND	ND	0.99	0.49	1.48		631	558	510	2014	M	6	-	-
54	31	3	09/20/85	2.1	ND	ND	0.32	T	0.52		605	543	494	2152	F	6	9.9	N
55	31	3	09/20/85	2.1	ND	ND	0.61	0.30	0.91		571	505	459	1634	M	6	-	-
56	33	3	10/11/85	1.0	ND	ND	0.96	0.48	1.44		860	751	690	4730	M	6	-	-
57	33	3	10/11/85	1.2	ND	ND	0.68	0.34	1.02		836	751	683	5094	M	6	-	-
58	35	3	10/08/85	0.6	ND	ND	T	T	0.20		819	721	661	3994	M	2	-	-
59	35	3	10/08/85	0.6	ND	ND	0.54	T	0.74		883	787	720	5200	F	6	55.1	Y
60	35	3	10/08/85	1.1	ND	ND	0.95	0.47	1.42	C	870	769	706	4380	F	6	60.4	Y
61	35	3	10/11/85	1.3	ND	ND	0.67	0.33	1.00		834	734	689	3870	F	6	31.2	N
62	36	3	10/11/85	0.8	ND	ND	0.58	T	0.78		855	767	704	4730	F	2	59.2	Y
63	36	3	10/04/85	1.0	ND	ND	0.65	0.32	0.97		860	772	708	4452	M	2	-	-
64	36	3	10/03/85	3.1	ND	ND	0.58	T	0.78		860	769	711	5234	F	2	75.9	Y
65	36	3	10/03/85	2.5	ND	ND	0.72	0.36	1.08		820	724	665	4522	F	2	43.9	Y
66	36	3	10/03/85	1.4	ND	ND	0.71	0.35	1.06		872	770	703	4430	F	6	34.9	N
67	36	3	10/03/85	1.1	ND	ND	0.93	0.47	1.40	C	855	761	700	4006	M	6	-	-
68	36	3	10/03/85	1.5	ND	ND	0.46	T	0.66		850	755	689	4160	F	6	44.0	Y
69	36	3	10/03/85	2.0	ND	ND	0.70	0.35	1.05		851	756	690	4542	M	6	-	-
70	36	3	10/03/85	0.3	ND	ND	T	T	0.20		873	775	715	4448	M	6	-	-
71	36	3	10/03/85	1.0	ND	ND	0.39	T	0.59		810	720	660	4168	F	2	54.3	Y
72	36	3	10/10/85	7.0	ND	ND	0.42	T	0.62		685	585	526	2432	M	6	-	-
73	36	3	10/17/85	2.0	ND	ND	0.88	0.44	1.32		830	737	671	3604	M	6	-	-
74	36	3	10/11/85	1.8	ND	ND	1.71	0.85	2.56		890	785	720	4968	M	6	-	-
75	36	3	10/07/85	6.9	ND	ND	1.69	0.85	2.54		840	750	689	4600	M	3	-	-
76	36	3	10/11/85	1.9	ND	ND	0.74	0.37	1.11		847	751	689	4730	F	6	49.4	N
77	36	3	10/11/85	3.5	ND	ND	0.57	T	0.77		798	709	648	3818	M	6	-	-
78	36	3	10/11/85	2.2	ND	ND	0.33	T	0.53		845	747	684	4306	F	6	47.6	N
79	36	3	10/11/85	2.0	ND	ND	0.36	T	0.56		820	727	667	4044	M	6	-	-
80	36	3	09/03/85	4.3	ND	ND	0.77	0.39	1.16		695	610	558	2902	F	6	17.7	N
81	36	3	08/28/85	2.0	ND	ND	0.33	T	0.53		789	707	648	3918	M	6	-	-
82	36	3	09/03/85	2.0	ND	ND	0.53	T	0.73		895	794	725	5794	F	6	61.8	N
83	36	3	08/29/85	2.1	ND	ND	0.83	0.41	1.24	C	850	753	693	3992	F	6	35.2	N
84	36	3	09/27/85	4.8	ND	ND	0.68	0.34	1.02		810	729	666	4214	F	2	45.1	Y
85	36	3	10/11/85	0.6	ND	ND	0.34	T	0.54		844	746	681	3924	M	6	-	-
86	36	3	10/11/85	0.6	ND	ND	0.55	T	0.75		860	754	688	4694	M	6	-	-
87	36	3	10/05/85	7.5	ND	ND	0.55	T	0.75		701	621	568	2714	F	6	16.3	Y
88	36	3	10/08/85	9.0	ND	ND	0.41	T	0.61		724	645	590	3232	M	6	-	-
89	36	3	08/27/85	4.8	ND	ND	1.08	0.54	1.62		642	568	518	2382	F	6	18.6	N
90	37	3	08/27/85	3.3	ND	ND	1.04	0.52	1.56		570	505	460	1640	M	6	-	-
91	37	3	08/27/85	4.7	ND	ND	0.74	0.37	1.11		618	548	502	2142	M	2	-	-
92	37	3	09/03/85	6.3	ND	ND	0.45	T	0.65		571	508	461	1728	M	6	-	-
93	37	3	08/27/85	4.6	ND	ND	0.56	T	0.76		570	509	462	1598	F	6	10.2	Y
94	37	3	09/04/85	9.4	ND	ND	0.45	T	0.65		648	578	529	2372	M	6	-	-
95	37	3	09/04/85	2.5	ND	ND	T	T	0.20		562	501	459	1550	U	1	-	-
96	37	3	09/04/85	10.5	ND	ND	0.72	0.36	1.08		614	545	500	2160	M	6	-	-
97	37	3	09/27/85	6.5	ND	ND	0.60	0.30	0.90		562	502	457	1578	M	6	-	-
98	37	3	08/28/85	7.8	ND	ND	0.35	T	0.55		621	547	496	2030	M	6	-	-
99	37	3	08/27/85	12.2	ND	ND	1.04	0.52	1.56		671	590	537	2732	F	2	25.4	Y
100	37	3	08/28/85	0.5	ND	ND	0.55	T	0.75		678	596	546	2918	M	2	-	-

APPENDIX TABLE XVII.

SITE 1 (New England, October 1985) listing, on an individual sample basis, of PCB and biological observations relative to individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
1	073	1	12/19/85	1.0	ND	ND	T	T	0.20		230	206	182	122	U	1	-	-
2	073	1	12/30/85	2.4	ND	ND	T	T	0.20		244	220	197	145	U	1	-	-
3	073	1	12/31/85	11.5	0.39	ND	0.58	T	1.17		270	241	214	206	U	1	-	-
4	073	1	12/31/85	5.2	ND	ND	T	T	0.20		260	234	205	172	U	1	-	-
5	073	1	12/30/85	4.2	ND	ND	T	T	0.20		239	212	192	141	U	1	-	-
6	073	1	12/31/85	2.4	ND	ND	T	T	0.20		229	205	180	123	U	1	-	-
7	073	1	12/24/85	4.3	ND	ND	T	T	0.20		246	221	198	144	U	1	-	-
8	073	1	12/30/85	1.5	ND	ND	0.64	0.32	0.96		234	212	190	122	U	1	-	-
9	073	1	12/23/85	2.6	ND	ND	T	T	0.20		232	203	184	110	U	1	-	-
10	073	1	12/24/85	14.9	ND	ND	T	T	0.20		239	214	190	153	U	1	-	-
11	073	1	12/24/85	0.9	ND	ND	T	T	0.20		256	230	204	163	U	1	-	-
12	073	1	12/19/85	2.6	ND	ND	T	T	0.20		226	203	181	118	U	1	-	-
13	073	1	12/30/85	5.3	ND	ND	0.56	T	0.76		232	209	186	118	U	1	-	-
14	073	1	12/30/85	3.5	ND	ND	T	T	0.20		230	206	181	125	U	1	-	-
15	073	1	12/19/85	3.1	ND	ND	T	T	0.20		236	214	189	130	U	1	-	-
16	066	2	11/07/85	1.5	ND	ND	T	T	0.20		551	485	443	1416	F	6	6.7	Y
17	066	2	11/13/85	4.2	ND	ND	0.61	0.31	0.92		565	495	447	1518	F	6	2.8	Y
18	066	2	11/12/85	2.9	ND	ND	0.55	T	0.75		567	500	452	1560	F	6	6.4	Y
19	066	2	11/16/85	1.8	ND	ND	T	T	0.20		547	485	441	1442	M	6	-	-
20	066	2	11/02/85	4.4	ND	ND	0.63	0.32	0.95		555	491	442	1556	F	6	4.5	Y
21	066	2	11/07/85	3.7	ND	ND	0.36	T	0.56		547	481	442	1526	F	6	7.0	Y
22	066	2	11/16/85	4.5	ND	ND	0.78	0.39	1.17		562	496	453	1536	M	6	-	-
23	066	2	11/19/85	0.3	ND	ND	T	T	0.20		560	498	451	1484	M	6	-	-
24	066	2	11/16/85	3.8	ND	ND	T	T	0.20		540	482	441	1388	F	6	4.1	N
25	066	2	11/16/85	4.4	ND	ND	0.34	T	0.54		561	500	451	1596	M	6	-	-
26	066	2	11/08/85	4.8	ND	ND	T	T	0.20		545	478	435	1498	M	6	-	-
27	066	2	11/16/85	4.0	ND	ND	0.41	T	0.61		553	490	443	1552	M	6	-	-
28	066	2	11/12/85	3.4	ND	ND	0.36	T	0.56		557	494	450	1678	F	6	6.3	Y
29	073	2	01/03/86	5.9	ND	ND	T	T	0.20		471	418	380	990	M	1	-	-
30	073	2	01/07/86	2.0	ND	ND	T	T	0.20		557	495	453	1600	F	6	5.4	N
31	073	2	12/30/85	7.0	ND	ND	T	T	0.20		496	443	402	1146	F	1	4.1	N
32	073	2	12/23/85	5.2	ND	ND	0.36	T	0.56		560	498	458	1804	U	1	-	-
33	073	2	12/23/85	5.3	ND	ND	0.63	0.31	0.94	C	564	499	455	1848	U	1	-	-
34	073	2	01/03/86	7.4	ND	ND	0.83	0.42	1.25	C	563	499	458	1934	M	1	-	-
35	073	2	12/16/85	9.1	ND	ND	0.42	T	0.62		562	499	452	1738	U	1	-	-
36	073	2	01/06/86	6.1	ND	ND	0.52	T	0.72		564	496	450	1722	U	1	-	-
37	066	3	11/06/85	11.7	ND	ND	0.82	0.41	1.23		820	721	664	4822	F	6	37.5	Y
38	066	3	11/01/85	10.9	ND	ND	0.91	0.45	1.36		733	642	589	3222	F	6	16.1	Y
39	066	3	11/06/85	16.6	ND	ND	1.45	0.72	2.17	C	924	809	737	6318	M	6	-	-
40	066	3	11/13/85	7.7	ND	ND	0.58	T	0.78		840	742	677	5904	M	6	-	-
41	066	3	11/04/85	15.9	ND	ND	0.79	0.39	1.18		745	665	607	3416	M	6	-	-
42	066	3	11/04/85	5.0	ND	ND	0.45	T	0.65		692	611	559	2576	M	6	-	-
43	066	3	11/07/85	1.9	ND	ND	0.34	T	0.54		680	602	543	2502	M	6	-	-
44	066	3	11/13/85	1.2	ND	ND	0.49	T	0.69		890	781	715	4818	M	6	-	-
45	066	3	11/04/85	4.3	ND	ND	0.59	T	0.79	C	775	681	624	3494	F	6	17.3	Y
46	066	3	11/06/85	7.2	ND	ND	0.69	0.35	1.04		750	662	604	3434	M	6	-	-
47	066	3	11/02/85	11.1	ND	ND	1.20	0.60	1.80		731	695	584	3482	F	6	15.7	Y
48	066	3	10/02/85	8.0	ND	ND	0.82	0.41	1.23		711	622	570	2914	M	6	-	-
49	066	3	11/13/85	15.4	ND	ND	0.82	0.41	1.23		790	707	641	4774	M	6	-	-
50	066	3	11/01/85	6.1	ND	ND	0.43	T	0.63		705	630	573	2884	F	6	15.6	Y

Appendix Table XVII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
51	066	3	11/13/85	10.8	ND	ND	1.17	0.59	1.76	C	902	799	736	6750	M	6	-	-
52	066	3	10/26/85	11.7	ND	ND	0.67	0.34	1.01		701	622	570	3230	M	6	-	-
53	066	3	10/23/86	4.6	ND	ND	0.32	T	0.52		710	620	572	2870	F	6	16.2	Y
54	066	3	10/31/85	5.1	ND	ND	1.00	0.50	1.50		700	635	637	3980	M	6	-	-
55	066	3	10/26/85	19.3	ND	ND	0.37	0.49	1.46		852	750	689	5740	M	6	-	-
56	066	3	10/31/85	8.3	ND	ND	0.88	0.44	1.32		733	649	593	3090	M	6	-	-
57	066	3	10/26/85	21.1	ND	ND	1.24	0.62	1.86		865	770	709	5842	F	6	42.6	Y
58	066	3	10/22/85	12.7	ND	ND	0.83	0.42	1.25		697	621	572	3040	M	6	-	-
59	066	3	11/08/85	6.7	ND	ND	0.42	T	0.62	C	728	624	593	3194	F	6	15.1	Y
60	066	3	10/29/85	10.0	ND	ND	1.42	0.71	2.13	C	899	797	733	6380	M	6	-	-
61	066	3	10/26/85	17.3	ND	ND	1.12	0.56	1.68		846	761	694	5530	F	6	42.2	Y
62	066	3	10/23/86	15.0	ND	ND	0.95	0.48	1.43		831	726	664	5302	M	6	-	-
63	066	3	10/26/85	17.9	ND	ND	0.73	0.37	1.10		804	704	651	5036	F	6	30.2	Y
64	066	3	10/22/85	15.8	ND	ND	1.62	0.81	2.43	C	884	783	714	6246	M	6	-	-
65	066	3	10/26/85	3.9	ND	ND	0.50	T	0.70		712	627	575	2806	M	6	-	-
66	066	3	10/22/85	9.8	ND	ND	0.63	0.31	0.94		710	623	570	3018	F	6	15.6	Y
67	066	3	10/26/85	14.0	ND	ND	0.65	0.33	0.98		818	730	669	5214	F	6	33.4	Y
68	066	3	10/26/85	8.9	ND	ND	1.11	0.55	1.66	C	792	700	641	4194	F	6	16.8	Y
69	066	3	10/23/85	10.3	ND	ND	0.66	0.33	0.99		721	635	581	3150	F	6	13.7	Y
70	066	3	10/22/85	15.2	ND	ND	0.73	0.36	1.09		745	663	684	3598	F	6	19.5	Y
71	066	3	10/31/85	21.2	ND	ND	1.21	0.61	1.82		791	701	642	4518	M	6	-	-
72	066	3	11/02/85	2.8	ND	ND	T	T	0.20		690	600	553	2340	M	6	-	-
73	066	3	11/13/85	13.3	ND	ND	2.14	1.07	3.21		900	797	736	7070	M	6	-	-
74	066	3	10/23/85	9.1	ND	ND	0.89	0.45	1.34		704	616	566	2760	M	6	-	-
75	066	3	10/23/85	4.1	ND	ND	0.50	T	0.70		598	620	568	2658	F	6	15.0	N
76	066	3	10/26/85	12.3	ND	ND	1.11	0.56	1.67		905	802	744	6104	F	6	30.1	Y
77	066	3	11/02/85	5.9	ND	ND	0.37	T	0.57		646	578	532	2435	F	6	12.0	N
78	066	3	11/08/85	11.8	ND	ND	0.87	0.44	1.31		700	693	643	4336	M	6	-	-
79	066	3	11/02/85	7.1	ND	ND	0.74	0.37	1.11		697	615	553	2692	M	6	-	-
80	066	3	10/23/85	7.7	ND	ND	0.54	T	0.74		694	610	554	2540	F	6	10.8	N
81	066	3	10/26/85	17.8	ND	ND	0.95	0.47	1.42		819	715	631	5966	F	6	32.9	N
82	066	3	11/01/85	8.3	ND	ND	0.73	0.37	1.10		700	625	575	3350	F	6	17.3	Y
83	066	3	11/19/85	17.1	ND	ND	0.68	0.34	1.02		885	784	725	6442	F	6	36.7	N
84	066	3	11/16/85	14.8	ND	ND	0.96	0.48	1.44		839	740	690	5172	F	6	28.7	Y
85	066	3	11/16/85	7.3	ND	ND	0.62	0.31	0.93		846	745	690	4818	F	6	36.4	Y
86	066	3	11/09/85	17.1	ND	ND	0.69	0.34	1.03		762	655	625	4024	M	6	-	-
87	066	3	11/12/85	18.0	ND	ND	1.11	0.55	1.66		829	726	670	4952	F	6	25.5	Y
88	066	3	11/16/85	5.9	0.69	ND	1.03	0.34	2.06		712	624	576	2806	M	6	-	-
89	066	3	11/09/85	19.0	ND	ND	0.80	0.40	1.20		745	624	608	3628	F	6	15.4	Y
90	066	3	11/09/85	6.7	ND	ND	0.39	T	0.59		846	746	688	5558	F	6	30.0	N
91	066	3	11/16/85	13.3	ND	ND	0.73	0.37	1.10		765	673	621	4212	M	6	-	-
92	073	3	12/14/85	5.3	ND	ND	1.38	0.69	2.07	C	572	510	470	1780	U	1	-	-
93	073	3	12/16/85	9.1	0.52	ND	0.78	T	1.50		550	502	459	1620	U	1	-	-
94	073	3	12/14/85	17.5	0.39	ND	0.59	T	1.18	C	566	505	462	1892	F	1	5.1	Y
95	073	3	01/06/86	7.2	ND	ND	0.56	T	0.76		572	506	460	1702	U	1	-	-
96	073	3	01/06/86	3.2	ND	ND	0.51	T	0.71		576	515	468	1714	F	6	5.2	N
97	073	3	12/16/85	6.2	ND	ND	0.51	T	0.71		552	501	455	1680	U	1	-	-
98	073	3	12/14/85	3.8	ND	ND	0.40	T	0.60		567	503	458	1622	U	1	-	-
99	073	3	01/06/86	4.6	ND	ND	0.49	T	0.69		572	508	462	1636	U	1	-	-
100	073	3	01/03/86	3.9	ND	ND	0.37	T	0.57		575	506	462	1692	U	1	-	-

Appendix Table XVIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
51	069	3	11/23/85	9.8	ND	ND	0.65	0.33	0.98		816	720	664	4518	M	6	-	-
52	069	3	11/26/85	11.9	ND	ND	0.91	0.45	1.36		770	685	632	4350	M	6	-	-
53	069	3	11/23/85	12.9	ND	ND	1.10	0.55	1.65		855	755	690	5372	M	6	-	-
54	069	3	12/02/85	9.1	ND	ND	0.79	0.39	1.18		863	766	701	5492	F	6	31.6	Y
55	069	3	11/27/85	4.1	ND	ND	T	T	0.20		892	787	722	5266	F	6	44.1	Y
56	069	3	11/27/85	10.2	ND	ND	0.93	0.46	1.39		990	867	801	7326	F	6	45.3	Y
57	069	3	12/02/85	7.5	ND	ND	0.37	T	0.57		902	793	730	5730	F	6	45.2	Y
58	069	3	11/23/85	1.8	ND	ND	T	T	0.20		688	601	550	2554	M	6	-	-
59	069	3	11/27/85	11.9	ND	ND	1.25	0.62	1.87		820	729	662	5346	M	6	-	-
60	069	3	12/02/85	7.2	ND	ND	0.56	T	0.76		900	792	720	5638	M	6	-	-
61	069	3	11/23/85	11.9	ND	ND	0.86	0.43	1.29		849	754	693	5764	F	6	27.3	Y
62	069	3	12/02/85	10.1	ND	ND	1.60	0.80	2.40	C	861	761	696	5416	M	6	-	-
63	069	3	11/23/85	5.2	ND	ND	0.59	T	0.79		865	762	701	4892	F	6	34.7	Y
64	070	3	11/23/85	15.1	ND	ND	1.53	0.76	2.29		805	711	651	4306	M	6	-	-
65	070	3	11/27/85	19.8	0.74	ND	1.11	0.37	2.22	C	900	796	731	6346	F	6	43.6	Y
66	070	3	11/27/85	13.7	0.72	ND	1.08	0.36	2.16		884	791	722	6360	F	6	47.2	Y
67	070	3	11/23/85	10.0	ND	ND	1.18	0.59	1.77		809	776	659	4882	M	6	-	-
68	070	3	11/23/85	7.1	ND	ND	0.75	0.38	1.13		821	733	671	4300	M	6	-	-
69	070	3	11/23/85	10.6	ND	ND	0.83	0.41	1.24		788	700	640	3930	M	6	-	-
70	071	3	01/09/86	12.7	ND	ND	1.38	0.69	2.07		741	659	602	4400	M	6	-	-
71	071	3	01/09/86	18.2	1.03	ND	1.55	0.51	3.09		771	678	625	4552	F	6	17.1	Y
72	071	3	01/07/86	1.2	ND	ND	0.31	T	0.51		578	510	468	1546	M	6	-	-
73	071	3	01/09/86	22.1	ND	ND	1.52	0.76	2.28		716	648	598	4406	F	6	20.2	Y
74	071	3	01/06/86	13.2	ND	ND	1.36	0.68	2.04		721	638	583	3432	F	6	13.7	Y
75	071	3	01/09/86	15.8	0.97	ND	1.46	0.48	2.91		646	570	522	3060	M	6	-	-
76	071	3	01/08/86	13.0	ND	ND	1.83	0.91	2.74		829	735	678	5348	M	6	-	-
77	071	3	01/07/86	12.6	ND	ND	1.21	0.60	1.81		721	643	595	4176	F	6	11.4	N
78	071	3	01/09/86	22.0	ND	ND	1.04	0.52	1.56		820	728	672	5844	F	6	32.0	Y
79	071	3	01/08/86	8.0	ND	ND	1.01	0.51	1.52		711	631	576	3276	M	6	-	-
80	071	3	01/08/86	19.0	ND	ND	1.84	0.92	2.76		786	699	643	5158	F	6	20.3	Y
81	071	3	01/24/86	24.4	1.62	ND	2.43	0.80	4.85		866	772	715	6748	M	6	-	-
82	071	3	01/06/86	22.0	1.94	ND	2.90	0.97	5.81		922	824	762	7696	F	6	45.9	Y
83	071	3	01/08/86	2.6	ND	ND	0.92	0.46	1.38		876	781	723	5436	M	6	-	-
84	071	3	01/08/86	17.1	1.56	ND	2.35	0.78	4.69		842	751	702	5642	F	6	34.5	Y
85	071	3	01/08/86	15.2	1.02	ND	1.55	0.50	3.07		749	661	603	3680	M	6	-	-
86	072	3	01/24/86	4.2	ND	ND	0.56	T	0.76		688	617	564	2576	M	6	-	-
87	072	3	01/15/86	9.9	ND	ND	0.49	T	0.69		604	528	481	2064	M	6	-	-
88	072	3	01/24/86	13.1	ND	ND	0.65	0.33	0.98	C	726	640	583	3678	F	6	16.9	N
89	072	3	01/22/86	6.6	ND	ND	0.51	T	0.71		730	643	587	3180	F	6	12.9	N
90	072	3	01/24/86	10.3	ND	ND	0.65	0.33	0.98		691	615	581	2872	F	6	-	N
91	072	3	01/24/86	13.3	ND	ND	1.11	0.55	1.66		730	650	595	3536	F	6	17.0	N
92	072	3	01/22/86	9.7	ND	ND	0.50	T	0.70		585	518	471	2008	M	6	-	-
93	072	3	01/24/86	7.7	ND	ND	0.63	0.32	0.95		707	635	581	3476	M	6	-	-
94	072	3	01/16/86	7.4	ND	ND	0.79	0.40	1.19		620	542	490	2290	F	6	7.7	N
95	072	3	01/22/86	7.1	ND	ND	0.82	0.41	1.23		815	720	660	4560	F	6	27.3	N
96	074	3	01/21/86	20.6	ND	ND	2.62	1.31	3.93		844	740	680	5636	M	6	-	-
97	074	3	01/21/86	12.3	ND	ND	1.54	0.77	2.31		755	665	602	3672	F	6	12.1	N
98	074	3	01/22/86	18.8	1.18	ND	1.78	0.59	3.55	C	750	665	605	4084	F	6	14.1	N
99	074	3	01/24/86	16.8	ND	ND	1.20	0.60	1.80		850	747	685	5756	M	6	-	-
100	074	3	01/21/86	13.6	ND	ND	1.22	0.61	1.83		887	790	723	5624	F	6	35.5	Y

APPENDIX TABLE XVIII.

SITE 2 (New York Bight, October-November 1985) listing, on an individual sample basis, of PCB and biological observations relative to individual fish samples collected during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI" for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
1	071	1	01/22/86	3.6	ND	ND	T	T	0.20		285	254	225	252	U	1	-	-
2	071	1	01/14/86	2.8	ND	ND	T	T	0.20		295	261	232	277	U	1	-	-
3	071	1	01/22/86	1.4	ND	ND	T	T	0.20		267	239	211	205	U	1	-	-
4	071	1	01/14/86	1.3	ND	ND	T	T	0.20		263	234	205	180	U	1	-	-
5	071	1	01/15/86	2.0	ND	ND	0.31	T	0.51		280	250	219	198	U	1	-	-
6	071	1	01/16/86	4.3	ND	ND	T	T	0.20	C	287	254	237	218	U	1	-	-
7	071	1	01/16/86	3.8	ND	ND	T	T	0.20	C	291	258	231	280	U	1	-	-
8	071	1	01/14/86	2.0	ND	ND	T	T	0.20		269	239	214	226	U	1	-	-
9	071	1	01/14/86	2.1	ND	ND	0.42	T	0.62		307	273	244	284	U	1	-	-
10	071	1	01/24/86	3.6	ND	ND	T	T	0.20		265	235	209	162	U	1	-	-
11	071	1	01/22/86	0.2	ND	ND	T	T	0.20	C	312	276	245	316	U	1	-	-
12	071	1	01/22/86	1.4	ND	ND	T	T	0.20		275	244	220	191	U	1	-	-
13	071	1	01/14/86	2.8	ND	ND	T	T	0.20		292	259	231	256	U	1	-	-
14	071	1	01/14/86	5.1	ND	ND	T	T	0.20		301	269	240	282	U	1	-	-
15	071	1	01/15/86	1.3	ND	ND	T	T	0.20		282	250	225	214	U	1	-	-
16	067	2	12/14/85	3.0	ND	ND	T	T	0.20		394	346	313	598	U	1	-	-
17	067	2	12/11/85	1.9	ND	ND	T	T	0.20		338	303	270	374	U	1	-	-
18	067	2	12/12/85	2.7	ND	ND	T	T	0.20		400	357	315	582	U	1	-	-
19	067	2	12/06/85	4.3	ND	ND	T	T	0.20		374	331	297	540	U	1	-	-
20	067	2	12/14/85	3.1	ND	ND	T	T	0.20		380	337	301	614	U	1	-	-
21	067	2	12/11/85	1.8	ND	ND	T	T	0.20		370	328	294	472	U	1	-	-
22	067	2	12/06/85	2.6	ND	ND	T	T	0.20		374	330	296	542	U	1	-	-
23	067	2	12/23/85	1.6	ND	ND	T	T	0.20		397	355	319	592	U	1	-	-
24	067	2	12/14/85	1.8	ND	ND	T	T	0.20		360	319	287	412	U	1	-	-
25	067	2	12/11/85	4.1	ND	ND	T	T	0.20		384	342	310	532	U	1	-	-
26	067	2	12/06/85	3.4	ND	ND	T	T	0.20		373	327	295	490	U	1	-	-
27	067	2	12/06/85	2.3	ND	ND	T	T	0.20		424	373	339	764	U	1	-	-
28	067	2	12/06/85	2.3	ND	ND	T	T	0.20		402	359	323	660	U	1	-	-
29	067	2	12/14/85	1.7	ND	ND	T	T	0.20		385	342	307	536	U	1	-	-
30	067	2	12/14/85	2.6	ND	ND	T	T	0.20		363	324	294	462	U	1	-	-
31	067	2	12/12/85	3.6	ND	ND	T	T	0.20		405	360	321	650	U	1	-	-
32	067	2	12/07/85	2.4	ND	ND	T	T	0.20		373	329	297	520	U	1	-	-
33	067	2	12/07/85	2.7	ND	ND	T	T	0.20		395	350	313	624	U	1	-	-
34	067	2	12/12/85	3.6	ND	ND	T	T	0.20		385	343	312	612	U	1	-	-
35	067	2	12/12/85	1.0	ND	ND	T	T	0.20		385	345	311	592	U	1	-	-
36	067	2	12/06/85	1.0	ND	ND	T	T	0.20		375	333	297	464	U	1	-	-
37	067	2	12/06/85	2.2	ND	ND	T	T	0.20		368	326	294	458	U	1	-	-
38	067	2	12/06/85	3.0	ND	ND	T	T	0.20		350	312	281	462	U	1	-	-
39	067	2	12/11/85	3.8	ND	ND	0.41	T	0.61		374	332	303	514	U	1	-	-
40	067	2	12/14/85	1.2	ND	ND	T	T	0.20		372	330	292	452	U	1	-	-
41	067	2	12/12/85	4.0	ND	ND	T	T	0.20		374	329	297	480	U	1	-	-
42	067	2	12/06/85	3.0	ND	ND	T	T	0.20		352	310	280	410	U	1	-	-
43	067	2	12/07/85	2.1	ND	ND	T	T	0.20		370	331	300	450	U	1	-	-
44	067	2	12/12/85	0.9	ND	ND	T	T	0.20		344	307	275	420	U	1	-	-
45	067	2	12/11/85	2.8	ND	ND	T	T	0.20		380	336	302	534	U	1	-	-
46	067	3	12/02/85	0.8	ND	ND	T	T	0.20		865	770	704	5962	F	6	37.1	Y
47	067	3	12/02/85	8.8	ND	ND	1.12	0.56	1.68		870	777	714	5490	M	6	-	-
48	067	3	11/27/85	12.8	ND	ND	0.88	0.44	1.32	C	831	737	679	5398	M	6	-	-
49	067	3	11/26/85	4.5	ND	ND	0.68	0.34	1.02		882	790	723	5348	M	6	-	-
50	069	3	11/26/85	6.0	ND	ND	0.67	0.33	1.00		820	728	670	4904	F	6	33.0	Y

Appendix Table XVIII. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
101	074	3	01/24/86	5.3	ND	ND	0.88	0.44	1.32		824	726	664	4636	M	6	-	-

APPENDIX TABLE XIX.

Listing, on an individual sample basis, of PCB and biological observations relative to 25-fish composite samples of young-of-the-year ("snappers") bluefish collected in the New York Bight during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. See "KEY TO APPENDIX TABLES III-XXI for definitions, codes, and levels of measurement.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
1	038	1	10/18/85	1.1	ND	ND	T	T	0.20		101	92	81	8	U	1	-	-
2	036	1									97	89	78	8	U	1	-	-
3	038	1									104	95	85	9	U	1	-	-
4	038	1									103	94	84	9	U	1	-	-
5	038	1									98	91	80	8	U	1	-	-
6	038	1									89	82	73	6	U	1	-	-
7	038	1									77	71	64	4	U	1	-	-
8	038	1									101	92	82	10	U	1	-	-
9	038	1									110	100	88	11	U	1	-	-
10	038	1									101	92	82	9	U	1	-	-
11	038	1									103	94	84	10	U	1	-	-
12	038	1									132	120	107	23	U	1	-	-
13	038	1									98	88	77	8	U	1	-	-
14	038	1									86	80	69	5	U	1	-	-
15	038	1									108	99	88	11	U	1	-	-
16	038	1									100	91	80	8	U	1	-	-
17	038	1									86	80	68	6	U	1	-	-
18	038	1									89	81	71	6	U	1	-	-
19	038	1									100	91	80	8	U	1	-	-
20	038	1									88	81	71	6	U	1	-	-
21	038	1									108	98	87	11	U	1	-	-
22	038	1									99	90	80	8	U	1	-	-
23	038	1									90	81	71	6	U	1	-	-
24	038	1									107	98	87	10	U	1	-	-
25	038	1									104	95	84	10	U	1	-	-
26	040	1	10/18/85	0.7	ND	ND	T	T	0.20		141	130	114	29	U	1	-	-
27	040	1									116	105	94	17	U	1	-	-
28	040	1									130	118	105	22	U	1	-	-
29	040	1									112	102	93	13	U	1	-	-
30	040	1									107	98	88	13	U	1	-	-
31	040	1									150	138	123	36	U	1	-	-
32	040	1									125	113	103	21	U	1	-	-
33	040	1									115	105	96	17	U	1	-	-
34	040	1									116	105	94	14	U	1	-	-
35	040	1									139	126	113	26	U	1	-	-
36	040	1									118	108	97	16	U	1	-	-
37	040	1									133	120	108	24	U	1	-	-
38	040	1									128	115	104	23	U	1	-	-
39	040	1									139	127	113	29	U	1	-	-
40	040	1									132	120	108	26	U	1	-	-
41	040	1									112	103	94	14	U	1	-	-
42	040	1									112	102	92	15	U	1	-	-
43	040	1									123	112	101	18	U	1	-	-
44	040	1									119	107	98	16	U	1	-	-
45	040	1									133	120	108	24	U	1	-	-
46	040	1									121	110	99	20	U	1	-	-
47	040	1									112	101	91	13	U	1	-	-
48	040	1									124	110	101	20	U	1	-	-
49	040	1									113	103	94	12	U	1	-	-
50	040	1									114	103	93	15	U	1	-	-

Appendix Table XIX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
51	041	1	10/17/85	0.4	ND	ND	T	T	0.20		121	111	97	15	U	1	-	-
52	041	1									141	128	112	24	U	1	-	-
53	041	1									148	134	118	30	U	1	-	-
54	041	1									123	112	99	14	U	1	-	-
55	041	1									101	94	82	9	U	1	-	-
56	041	1									157	141	125	34	U	1	-	-
57	041	1									172	156	138	48	U	1	-	-
58	041	1									129	118	105	19	U	1	-	-
59	041	1									122	111	100	16	U	1	-	-
60	041	1									120	110	99	14	U	1	-	-
61	041	1									110	101	88	12	U	1	-	-
62	041	1									131	120	108	19	U	1	-	-
63	041	1									120	110	97	15	U	1	-	-
64	041	1									124	114	100	16	U	1	-	-
65	041	1									125	115	102	17	U	1	-	-
66	041	1									118	107	94	15	U	1	-	-
67	041	1									112	103	90	13	U	1	-	-
68	041	1									134	122	108	20	U	1	-	-
69	041	1									120	109	96	15	U	1	-	-
70	041	1									117	106	93	13	U	1	-	-
71	041	1									113	102	91	13	U	1	-	-
72	041	1									130	116	103	17	U	1	-	-
73	041	1									129	118	104	20	U	1	-	-
74	041	1									111	102	90	11	U	1	-	-
75	041	1									121	110	98	14	U	1	-	-
76	044	1	10/17/85	0.4	ND	ND	T	T	0.20		143	129	112	27	U	1	-	-
77	044	1									121	109	98	15	U	1	-	-
78	044	1									129	116	102	18	U	1	-	-
79	044	1									125	114	101	16	U	1	-	-
80	044	1									122	110	99	15	U	1	-	-
81	044	1									116	106	96	15	U	1	-	-
82	044	1									135	122	110	23	U	1	-	-
83	044	1									121	110	98	14	U	1	-	-
84	044	1									124	112	100	17	U	1	-	-
85	044	1									101	92	82	8	U	1	-	-
86	044	1									115	105	93	12	U	1	-	-
87	044	1									110	101	90	12	U	1	-	-
88	044	1									99	91	81	8	U	1	-	-
89	044	1									122	111	99	14	U	1	-	-
90	044	1									114	104	92	13	U	1	-	-
91	044	1									91	84	75	6	U	1	-	-
92	044	1									115	105	94	13	U	1	-	-
93	044	1									129	116	104	18	U	1	-	-
94	044	1									149	136	121	32	U	1	-	-
95	044	1									128	116	102	21	U	1	-	-
96	044	1									124	114	100	16	U	1	-	-
97	044	1									100	91	82	8	U	1	-	-
98	044	1									120	109	98	16	U	1	-	-
99	044	1									103	95	84	9	U	1	-	-
100	044	1									114	105	93	12	U	1	-	-

Appendix Table XIX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
101	048	1	10/17/85	1.1	ND	ND	T	T	0.20		-	112	-	-	U	1	-	-
102	048	1									-	156	-	-	U	1	-	-
103	048	1									-	112	-	-	U	1	-	-
104	048	1									-	120	-	-	U	1	-	-
105	048	1									-	129	-	-	U	1	-	-
106	048	1									-	147	-	-	U	1	-	-
107	048	1									-	116	-	-	U	1	-	-
108	048	1									-	120	-	-	U	1	-	-
109	048	1									-	146	-	-	U	1	-	-
110	048	1									-	120	-	-	U	1	-	-
111	048	1									-	105	-	-	U	1	-	-
112	048	1									-	117	-	-	U	1	-	-
113	048	1									-	132	-	-	U	1	-	-
114	048	1									-	125	-	-	U	1	-	-
115	048	1									-	107	-	-	U	1	-	-
116	048	1									-	125	-	-	U	1	-	-
117	048	1									-	129	-	-	U	1	-	-
118	048	1									-	121	-	-	U	1	-	-
119	048	1									-	127	-	-	U	1	-	-
120	048	1									-	108	-	-	U	1	-	-
121	048	1									-	125	-	-	U	1	-	-
122	048	1									-	131	-	-	U	1	-	-
123	048	1									-	115	-	-	U	1	-	-
124	048	1									-	130	-	-	U	1	-	-
125	048	1									-	125	-	-	U	1	-	-
126	051	1	10/17/85	0.8	ND	ND	T	T	0.20		-	121	-	-	U	1	-	-
127	051	1									-	122	-	-	U	1	-	-
128	051	1									-	138	-	-	U	1	-	-
129	051	1									-	132	-	-	U	1	-	-
130	051	1									-	152	-	-	U	1	-	-
131	051	1									-	118	-	-	U	1	-	-
132	051	1									-	144	-	-	U	1	-	-
133	051	1									-	122	-	-	U	1	-	-
134	051	1									-	165	-	-	U	1	-	-
135	051	1									-	120	-	-	U	1	-	-
136	051	1									-	133	-	-	U	1	-	-
137	051	1									-	152	-	-	U	1	-	-
138	051	1									-	140	-	-	U	1	-	-
139	051	1									-	122	-	-	U	1	-	-
140	051	1									-	126	-	-	U	1	-	-
141	051	1									-	148	-	-	U	1	-	-
142	051	1									-	120	-	-	U	1	-	-
143	051	1									-	126	-	-	U	1	-	-
144	051	1									-	139	-	-	U	1	-	-
145	051	1									-	148	-	-	U	1	-	-
146	051	1									-	131	-	-	U	1	-	-
147	051	1									-	134	-	-	U	1	-	-
148	051	1									-	118	-	-	U	1	-	-
149	051	1									-	123	-	-	U	1	-	-
150	051	1									-	120	-	-	U	1	-	-

Appendix Table XIX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS					Confirmation	LENGTH			Weight	Sex	Stage of Development	OVARY	
					1242	1248	1254	1260	Total		Total	Fork	Standard				Weight	Retention
151	057	1	10/18/85	0.5	ND	ND	T	T	0.20		-	125	-	-	U	1	-	-
152	057	1									-	122	-	-	U	1	-	-
153	057	1									-	119	-	-	U	1	-	-
154	057	1									-	121	-	-	U	1	-	-
155	057	1									-	113	-	-	U	1	-	-
156	057	1									-	121	-	-	U	1	-	-
157	057	1									-	135	-	-	U	1	-	-
158	057	1									-	127	-	-	U	1	-	-
159	057	1									-	144	-	-	U	1	-	-
160	057	1									-	126	-	-	U	1	-	-
161	057	1									-	130	-	-	U	1	-	-
162	057	1									-	125	-	-	U	1	-	-
163	057	1									-	132	-	-	U	1	-	-
164	057	1									-	127	-	-	U	1	-	-
165	057	1									-	123	-	-	U	1	-	-
166	057	1									-	131	-	-	U	1	-	-
167	057	1									-	123	-	-	U	1	-	-
168	057	1									-	120	-	-	U	1	-	-
169	057	1									-	122	-	-	U	1	-	-
170	057	1									-	114	-	-	U	1	-	-
171	057	1									-	133	-	-	U	1	-	-
172	057	1									-	126	-	-	U	1	-	-
173	057	1									-	132	-	-	U	1	-	-
174	057	1									-	124	-	-	U	1	-	-
175	057	1									-	117	-	-	U	1	-	-
176	060	1	10/17/85	0.9	ND	ND	T	T	0.20		-	126	-	-	U	1	-	-
177	060	1									-	136	-	-	U	1	-	-
178	060	1									-	155	-	-	U	1	-	-
179	060	1									-	132	-	-	U	1	-	-
180	060	1									-	120	-	-	U	1	-	-
181	060	1									-	115	-	-	U	1	-	-
182	060	1									-	125	-	-	U	1	-	-
183	060	1									-	124	-	-	U	1	-	-
184	060	1									-	123	-	-	U	1	-	-
185	060	1									-	135	-	-	U	1	-	-
186	060	1									-	112	-	-	U	1	-	-
187	060	1									-	129	-	-	U	1	-	-
188	060	1									-	127	-	-	U	1	-	-
189	060	1									-	128	-	-	U	1	-	-
190	060	1									-	122	-	-	U	1	-	-
191	060	1									-	117	-	-	U	1	-	-
192	060	1									-	125	-	-	U	1	-	-
193	060	1									-	120	-	-	U	1	-	-
194	060	1									-	125	-	-	U	1	-	-
195	060	1									-	122	-	-	U	1	-	-
196	060	1									-	132	-	-	U	1	-	-
197	060	1									-	123	-	-	U	1	-	-
198	060	1									-	115	-	-	U	1	-	-
199	060	1									-	139	-	-	U	1	-	-
200	060	1									-	115	-	-	U	1	-	-

Appendix Table XIX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
201	062	1	10/18/85	1.0	ND	ND	T	T	0.20		-	142	-	-	U	1	-	-
202	062	1									-	135	-	-	U	1	-	-
203	062	1									-	130	-	-	U	1	-	-
204	062	1									-	134	-	-	U	1	-	-
205	062	1									-	146	-	-	U	1	-	-
206	062	1									-	119	-	-	U	1	-	-
207	062	1									-	136	-	-	U	1	-	-
208	062	1									-	134	-	-	U	1	-	-
209	062	1									-	140	-	-	U	1	-	-
210	062	1									-	135	-	-	U	1	-	-
211	062	1									-	134	-	-	U	1	-	-
212	062	1									-	116	-	-	U	1	-	-
213	062	1									-	139	-	-	U	1	-	-
214	062	1									-	134	-	-	U	1	-	-
215	062	1									-	134	-	-	U	1	-	-
216	062	1									-	135	-	-	U	1	-	-
217	062	1									-	134	-	-	U	1	-	-
218	062	1									-	120	-	-	U	1	-	-
219	062	1									-	145	-	-	U	1	-	-
220	062	1									-	123	-	-	U	1	-	-
221	062	1									-	122	-	-	U	1	-	-
222	062	1									-	-	-	-	U	1	-	-
223	062	1									-	143	-	-	U	1	-	-
224	062	1									-	113	-	-	U	1	-	-
225	062	1									-	124	-	-	U	1	-	-
226	063	1	10/22/85	1.3	ND	ND	0.34	T	0.54		-	105	-	-	U	1	-	-
227	063	1									-	167	-	-	U	1	-	-
228	063	1									-	152	-	-	U	1	-	-
229	063	1									-	142	-	-	U	1	-	-
230	063	1									-	148	-	-	U	1	-	-
231	063	1									-	152	-	-	U	1	-	-
232	063	1									-	150	-	-	U	1	-	-
233	063	1									-	157	-	-	U	1	-	-
234	063	1									-	162	-	-	U	1	-	-
235	063	1									-	150	-	-	U	1	-	-
236	063	1									-	158	-	-	U	1	-	-
237	063	1									-	132	-	-	U	1	-	-
238	063	1									-	136	-	-	U	1	-	-
239	063	1									-	150	-	-	U	1	-	-
240	063	1									-	151	-	-	U	1	-	-
241	063	1									-	145	-	-	U	1	-	-
242	063	1									-	149	-	-	U	1	-	-
243	063	1									-	151	-	-	U	1	-	-
244	063	1									-	153	-	-	U	1	-	-
245	063	1									-	143	-	-	U	1	-	-
246	063	1									-	158	-	-	U	1	-	-
247	063	1									-	160	-	-	U	1	-	-
248	063	1									-	155	-	-	U	1	-	-
249	063	1									-	152	-	-	U	1	-	-
250	063	1									-	140	-	-	U	1	-	-

Appendix Table XIX. continued.

Line Number	Location Capture Code	Size Category	Date Analyses Completed	Lipid Content	PCB AROCLORS 1242	1248	1254	1260	Total	Confirmation	LENGTH Total	Fork	Standard	Weight	Sex	Stage of Development	OVARY Weight	Retention
251	071	1	01/24/86	1.9	ND	ND	T	T	0.20		164	148	132	37	U	1	-	-
252	071	1									160	143	129	39	U	1	-	-
253	071	1									196	175	154	74	U	1	-	-
254	071	1									164	145	135	45	U	1	-	-
255	071	1									202	182	160	73	U	1	-	-
256	071	1									207	183	166	85	U	1	-	-
257	071	1									198	175	156	72	U	1	-	-
258	071	1									162	144	129	40	U	1	-	-
259	071	1									199	177	158	79	U	1	-	-
260	071	1									192	169	152	61	U	1	-	-
261	071	1									162	149	132	38	U	1	-	-
262	071	1									205	183	162	81	U	1	-	-
263	071	1									173	156	140	46	U	1	-	-
264	071	1									188	166	148	54	U	1	-	-
265	071	1									185	165	146	56	U	1	-	-
266	071	1									178	159	142	50	U	1	-	-
267	071	1									154	137	123	32	U	1	-	-
268	071	1									166	150	133	44	U	1	-	-
269	071	1									184	166	147	58	U	1	-	-
270	071	1									200	178	158	74	U	1	-	-
271	071	1									193	173	154	65	U	1	-	-
272	071	1									167	152	133	44	U	1	-	-
273	071	1									202	180	161	71	U	1	-	-
274	071	1									199	179	158	72	U	1	-	-
275	071	1									164	148	130	42	U	1	-	-

APPENDIX TABLE XX.

Results of FDA Buffalo Laboratory benchmark analyses conducted during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Determined and predetermined levels are given in parts-per-million.

Date Analysis Completed	Benchmark Number	Aroclor Name	Level Determined	Level Predetermined
01/08/85	1	PCB AROCLOR 1254	1.54	1.50
01/08/85	1	PCB AROCLOR 1254	1.54	1.50
01/08/85	1	PCB AROCLOR 1254	1.44	1.50
01/08/85	1	PCB AROCLOR 1254	1.45	1.50
01/08/85	1	PCB AROCLOR 1254	1.52	1.50
02/20/85	1	PCB AROCLOR 1254	1.69	1.50
03/01/85	1	PCB AROCLOR 1254	1.53	1.50
03/06/85	1	PCB AROCLOR 1254	1.40	1.50
03/11/85	1	PCB AROCLOR 1254	1.32	1.50
03/26/85	1	PCB AROCLOR 1254	1.29	1.50
04/03/85	1	PCB AROCLOR 1254	1.52	1.50
04/19/85	1	PCB AROCLOR 1254	1.63	1.50
04/29/85	1	PCB AROCLOR 1254	1.68	1.50
05/03/85	2	PCB AROCLOR 1254	1.41	1.22
05/03/85	2	PCB AROCLOR 1254	1.36	1.22
05/08/85	2	PCB AROCLOR 1254	1.30	1.22
05/14/85	2	PCB AROCLOR 1254	1.38	1.22
05/14/85	2	PCB AROCLOR 1254	1.51	1.22
05/16/85	2	PCB AROCLOR 1254	1.62	1.22
06/06/85	2	PCB AROCLOR 1254	1.26	1.22
06/20/85	2	PCB AROCLOR 1254	1.60	1.22
06/27/85	2	PCB AROCLOR 1254	1.28	1.22
07/02/85	2	PCB AROCLOR 1254	1.57	1.22
07/03/85	2	PCB AROCLOR 1254	1.28	1.22
07/26/85	2	PCB AROCLOR 1254	1.41	1.22

Appendix Table XX. continued.

Date Analysis Completed	Benchmark Number	Aroclor Name	Level Determined	Level Predetermined
08/06/85	2	PCB AROCLOR 1254	1.06	1.22
08/12/85	2	PCB AROCLOR 1254	1.15	1.22
08/22/85	2	PCB AROCLOR 1254	1.18	1.22
08/29/85	2	PCB AROCLOR 1254	1.18	1.22
09/23/85	2	PCB AROCLOR 1254	1.15	1.22
09/27/85	2	PCB AROCLOR 1254	1.25	1.22
10/01/85	2	PCB AROCLOR 1254	1.10	1.22
10/16/85	2	PCB AROCLOR 1254	1.41	1.22
10/19/85	2	PCB AROCLOR 1254	1.36	1.22
10/30/85	2	PCB AROCLOR 1254	0.95	1.22
11/06/85	2	PCB AROCLOR 1254	0.92	1.22
11/22/85	2	PCB AROCLOR 1254	1.18	1.22
12/05/85	2	PCB AROCLOR 1254	1.11	1.22
12/16/85	2	PCB AROCLOR 1254	1.02	1.22
12/19/85	2	PCB AROCLOR 1254	1.27	1.22
01/07/86	2	PCB AROCLOR 1254	1.00	1.22
01/10/86	2	PCB AROCLOR 1254	1.13	1.22
01/17/86	2	PCB AROCLOR 1254	1.29	1.22

APPENDIX TABLE XXI.

Results of NOAA Charleston Laboratory benchmark analyses conducted during 1984-86 Federal Survey of PCBs in Atlantic Coast Bluefish. Determined and predetermined levels are given in parts-per-million.

Date Analysis Completed	Benchmark Number	Aroclor Name	Level Determined	Level Predetermined
03/05/85	1	PCB AROCLOR 1254	1.36	1.50
03/22/85	1	PCB AROCLOR 1254	1.36	1.50
03/22/85	1	PCB AROCLOR 1254	1.28	1.50
04/30/85	2	PCB AROCLOR 1254	1.22	1.22
04/30/85	2	PCB AROCLOR 1254	1.00	1.22
05/08/85	2	PCB AROCLOR 1254	1.60	1.22
05/16/85	2	PCB AROCLOR 1254	1.14	1.22
06/13/85	2	PCB AROCLOR 1254	0.88	1.22
06/24/85	2	PCB AROCLOR 1254	1.17	1.22
07/03/85	2	PCB AROCLOR 1254	1.11	1.22
07/10/85	2	PCB AROCLOR 1254	1.39	1.22
07/19/85	2	PCB AROCLOR 1254	1.11	1.22
07/25/85	2	PCB AROCLOR 1254	1.10	1.22
08/05/85	2	PCB AROCLOR 1254	1.41	1.22
08/14/85	2	PCB AROCLOR 1254	1.15	1.22
08/15/85	2	PCB AROCLOR 1254	1.26	1.22
08/27/85	2	PCB AROCLOR 1254	1.51	1.22
09/04/85	2	PCB AROCLOR 1254	1.03	1.22
09/09/85	2	PCB AROCLOR 1254	1.25	1.22
09/13/85	2	PCB AROCLOR 1254	1.05	1.22
09/16/85	2	PCB AROCLOR 1254	1.12	1.22
09/20/85	2	PCB AROCLOR 1254	1.17	1.22
09/27/85	2	PCB AROCLOR 1254	1.19	1.22
09/27/85	2	PCB AROCLOR 1254	1.05	1.22
10/03/85	2	PCB AROCLOR 1254	1.28	1.22

Appendix Table XXI. continued.

Date Analysis Completed	Benchmark Number	Aroclor Name	Level Determined	Level Predetermined
10/08/85	2	PCB AROCLOR 1254	1.12	1.22
10/11/85	2	PCB AROCLOR 1254	1.07	1.22
10/04/85	2	PCB AROCLOR 1254	1.43	1.22
10/23/85	2	PCB AROCLOR 1254	1.15	1.22
10/26/85	2	PCB AROCLOR 1254	1.14	1.22
10/26/85	2	PCB AROCLOR 1254	1.32	1.22
11/02/85	2	PCB AROCLOR 1254	1.44	1.22
11/16/85	2	PCB AROCLOR 1254	1.56	1.22
11/26/85	2	PCB AROCLOR 1254	1.60	1.22
11/27/85	2	PCB AROCLOR 1254	1.26	1.22
12/11/85	2	PCB AROCLOR 1254	1.55	1.22
12/14/85	2	PCB AROCLOR 1254	1.68	1.22
12/30/85	2	PCB AROCLOR 1254	1.43	1.22
01/08/86	2	PCB AROCLOR 1254	1.39	1.22
01/15/86	2	PCB AROCLOR 1254	1.22	1.22